

91652

From: Chan, Christina  
Sent: Wednesday, April 16, 2003 10:46 AM  
To: Zeman, Mary; STIC-Biotech/ChemLib  
Subject: RE: Rush Sequence search request 09/699295

**Please rush. Thanks Chris**

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644

308-3973

CM-1, 9B19

-----Original Message-----

From: **Zeman, Mary**  
Sent: Wednesday, April 16, 2003 10:05 AM  
To: Chan, Christina  
Subject: Rush Sequence search request 09/699295

Please approve a rush search in this application:  
Please perform an interference search SEQ ID NO: 301 and 304 of 09/699295.  
This a case where applicant filed an RCE after allowance, and I just need to  
update the interference search. I need to move the file as soon as possible.  
Paper printout please,  
Thank you  
Mary K. Zeman  
Examiner, 1631  
305-7133  
CM1 12A17  
mailbox: CM1 12D01

Searcher: P. J. ...  
Phone: 308 428 52  
Location: CM 1631  
Date Picked Up: \_\_\_\_\_  
Date Completed: 4/16/03  
Searcher Prep/Review: 16  
Clerical: \_\_\_\_\_  
Online time: 7

TYPE OF SEARCH:

NA Sequences: 1  
AA Sequences: 1  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: Seq. ...  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

56 5 2

59 7









```

RESULT 4
US-09-465-785-474
Sequence 474: Application US/09/05795
Patient No. 4421716
GENERAL INFORMATION:
APPLICANT: Xu, Jianqun
APPLICANT: Dillon, David C.
APPLICANT: Mitchell, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Reiter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Wedrick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skelly, Yastir A.W.
APPLICANT: Hopler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF FIBROBLAST CANCER
FILE REFERENCE: 210121.427015
CURRENT AFFILIATION NUMBER: 05/07/005.785
CURRENT FILING DATE: 2000-05-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FASTSPQ for Windows Version 3.0
SEQ ID NO: 474
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapien
US-09-605-785-474
Query Match: 98.0% Score 1131.6; DR 4; Length 2000;
Percent Local Similarity: 93.6% Prod. No. 0;
Matches 1134; Conserved: 0; Mismat: 165; 4; Indels 0; Gaps 0;
1 AAGTGGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
2b 1 AAGTGGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
3 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
4b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
5 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
6b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
7 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
8b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
9 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
10b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
11 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
12b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
13 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
14b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
15 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
16b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
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18b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
19 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
20b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
21 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
22b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
23 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
24b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
25 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
26b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
27 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
28b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
29 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
30b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
31 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
32b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
33 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
34b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
35 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
36b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
37 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
38b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
39 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
40b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
41 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
42b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
43 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
44b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
45 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
46b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
47 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
48b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
49 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
50b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
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53 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
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60b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
61 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
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63 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
64b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
65 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
66b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
67 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
68b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
69 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
70b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
71 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
72b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
73 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
74b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
75 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
76b 61 AAGTGGTGGAGTGGAGTGGATGATGCAAGGCGCGTATGCTGCTGCAAGAGGATTTGGTCTC 60
77 61 AAGTGGTGGAGTGGAGTGGATGAT
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[illegible]



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QY 601 GTGCTTGAACAAAGAAAGACAGTCTGTATAAAGGAGTACATGCTGAGAGATGAA 660
Db 601 GTGCTTGAACAAAGAAAGACAGTCTGTATAAAGGAGTACATGCTGAGAGATGAA 660
QY 661 TGTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 720
Db 661 TGTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 720
QY 721 AGCAGCTGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 780
Db 721 AGCAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 780
QY 781 TATGCTGCTGATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 840
Db 781 TATGCTGCTGATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 840
QY 841 CATGAGTAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 900
Db 841 CATGAGTAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 900
QY 901 GTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 960
Db 901 GTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 960
QY 961 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1020
Db 961 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1020
QY 1021 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1080
Db 1021 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1080
QY 1081 AAGGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1138
Db 1081 AAGGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1138

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# RESULT 7

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US-09-605-785-475
: Sequence 475, Application US/9905785
: Patient No. 63121716
: GENERAL INFORMATION:
: APPLICANT: Xu, Jianchun
: APPLICANT: Dillon, David C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Jiang, Yugu
: APPLICANT: Henderson, Robert A.
: APPLICANT: Kalos, Michael D.
: APPLICANT: Fanger, Gary R.
: APPLICANT: Ketter, Marc W.
: APPLICANT: Stolk, John A.
: APPLICANT: Day, Craig H.
: APPLICANT: Vedrick, Thomas S.
: APPLICANT: Carter, Patrick
: APPLICANT: Li, Samuel
: APPLICANT: Wang, Aljun
: APPLICANT: Skolky, Yael A.W.
: APPLICANT: Hopler, William
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.127016
: CURRENT APPLICATION NUMBER: 09/09495785
: CURRENT FILING DATE: 2000-06-27
: NUMBER OF SEQ ID NOS: 835
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 375
: LENGTH: 2040
: TYPE: DNA
: ORGANISM: Homo sapien
: US-09-605-785-475

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Query Match 98.0% Score 1131.6; DB 4; Length 2040;
Best Level Similarity 99.4%; Pred. No. 0;
Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 ATGCTGCTGAGTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 60
Db 1 ATGCTGCTGAGTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 60
QY 61 AAGAGCAAGATGAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
Db 61 AAGAGCAAGATGAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
QY 121 AAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Db 121 AAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
QY 181 AAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
Db 181 AAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
QY 241 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
Db 241 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
QY 301 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Db 301 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 GAGAGCTAGCATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Db 361 GAGAGCTAGCATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY 421 GAGAGCTAGCATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Db 421 GAGAGCTAGCATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
QY 481 GTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db 481 GTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
QY 541 GTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 541 GTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
QY 601 GTGCTTGAACAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 660
Db 601 GTGCTTGAACAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 660
QY 661 TGTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 720
Db 661 TGTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 720
QY 721 AGCAGCTGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 780
Db 721 AGCAGCTGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 780
QY 781 TATGCTGCTGATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 840
Db 781 TATGCTGCTGATGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 840
QY 841 CATGAGTAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 900
Db 841 CATGAGTAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 900
QY 901 GTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 960
Db 901 GTGCTTAATGTTGTGACATGAGCAGTATGTAATATGTCAGATGAGTATGAAAT 960
QY 961 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1020
Db 961 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1020
QY 1021 GTGAGCTGCTGAGCAGTATGTAATATGTCAGATGAGTATGAAATGTAATGTAAT 1080

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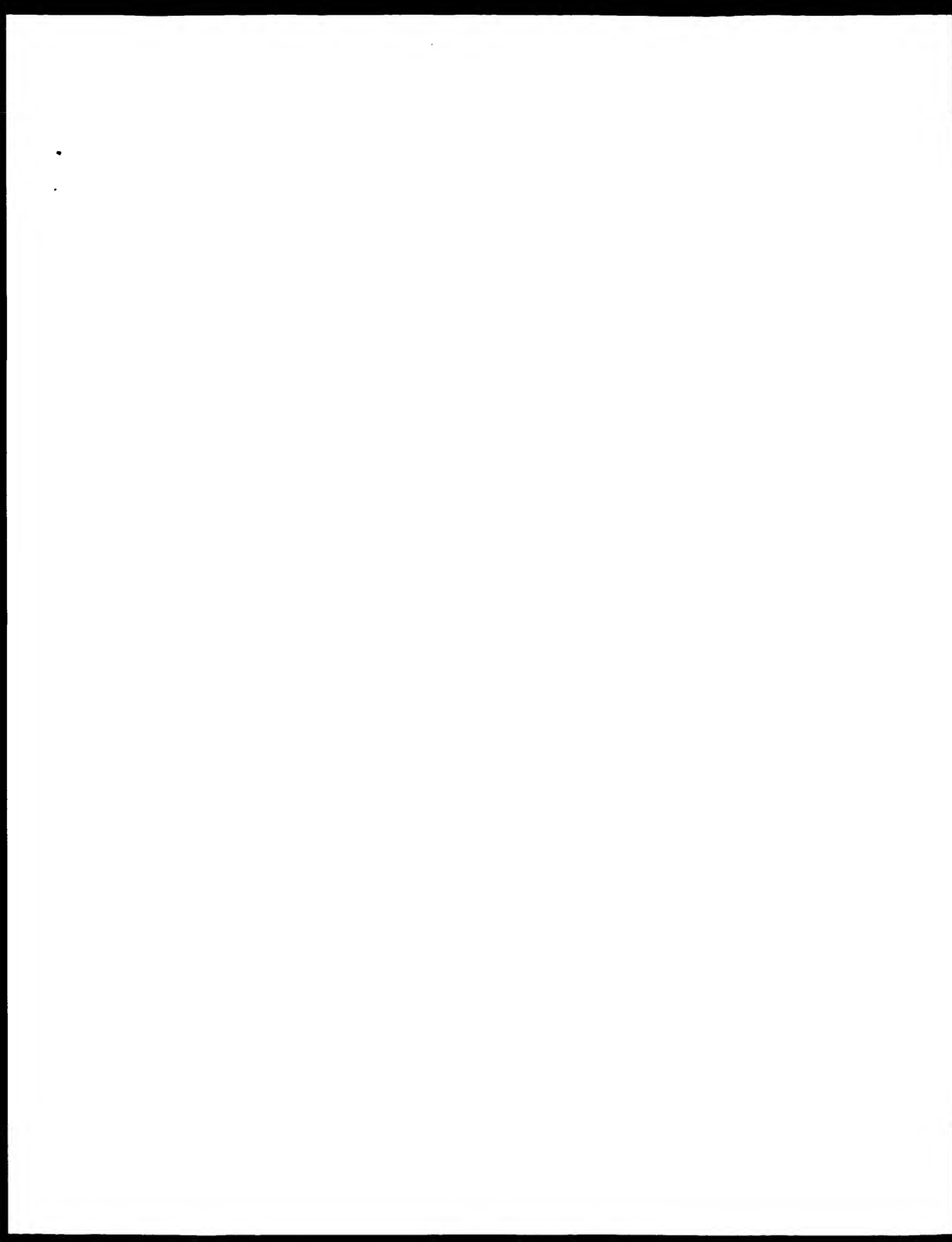






Source: [redacted] April 17, 2003, 10:05 AM  
[redacted] 10:05 AM

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-continued

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AAATATTCCA	GATGASTATG	GAAATACGAC	TGTACACTAT	GCTGTCTACA	ATGAAGATAA	1320
ATTAATGGCC	AAAGCACTGC	TCTTATACGG	TGTTGATATC	GAATCAAAAA	ACAAGGTATA	1330
GATCTACTAA	TTTTATCTTC	AAAATACTGA	AATGCATTCA	TTTTAACATT	GACGTGTGTA	1440
AGGTCACAGC	TTCGGIATTT	GGAAGTCAA	GCATAACTTG	AATGAAAATA	TTTTGAAATG	1500
ACCTAATTAT	CTAAGACTTT	ATTTTAAATA	TTTATTATTT	CAAAGAAGCA	TTAGAGGGTA	1560
CACTTTTCTT	TTTTAAATG	CACTTCTGCT	AAATACTTTT	GCTGAAAACA	CTGAATTTCT	1620
AAAAGGTAAT	ACTTACTATT	TTTCAATTTT	TCCCTCCTAG	GATTTTCTTC	CCCTAATGAA	1680
TCGAAGATGG	CAAAATTTGC	CTGAAATAG	GTTTTACATG	AAAACCCCAA	GAAAAGTTAA	1740
ACATGTTTCA	GTGAATAGAG	ATCCTGCTCC	TTTGGCAAGT	TCCTAAAAAA	CAGTAATAGA	1800
TACGAGGTGA	TGCGCCTGTC	ATGGGAAGG	TTTAAGATAT	TCTGATCTC	GTGCC	1855

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What is claimed is:

1. An isolated DNA molecule comprising SEQ ID NO: 292.
2. An isolated DNA molecule comprising SEQ ID NO: 293.
3. An isolated DNA molecule comprising SEQ ID NO: 294.
4. An isolated DNA molecule comprising SEQ ID NO: 295.
5. An isolated DNA molecule comprising SEQ ID NO: 296.
6. An isolated DNA molecule comprising SEQ ID NO: 297.
7. A recombinant expression vector comprising a DNA molecule according to any one of claims 1-6.
8. A host cell transformed or transfected with an expression vector according to claim 7.
9. A host cell of claim 8 wherein the host cell is selected from the group consisting of *E. coli*, yeast and mammalian cell lines.

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QY 721 AATACCTGCTACTACCTATCTATATGAAATAAATTAATGCGAAAGCTAGCTCTTA 789
DB 721 AATACCTGCTACTACCTATCTATATGAAATAAATTAATGCGAAAGCTAGCTCTTA 789
QY 781 TATGCTGTATATGATGATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 849
DB 781 TATGCTGTATATGATGATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 849
QY 841 CTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 909
DB 841 CTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 909
QY 901 CTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 969
DB 901 CTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 969
QY 961 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1029
DB 961 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1029
QY 1021 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1089
DB 1021 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1089
QY 1081 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1149
DB 1081 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1149
QY 1141 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1209
DB 1141 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1209

RESULT 4
US-09-699-295-301-473
Sequence 473, Application US/09095814
Publication No. 0909295814
GENEAL INFORMATION:
APPLICANT: Xu, Jiaochun
APPLICANT: Dillon, David G.
APPLICANT: Mitchell, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Ketter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Jennifer
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skelley, Yasir A.M.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNell, Patricia D.
APPLICANT: Houdron, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fauger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 21021.12706
CURRENT APPLICATION NUMBER: US/09095814
CURRENT FILING DATE: 2001-04-29
NUMBER OF SEQ ID NOS: 960
SOFTWARE: FASTSUB for Windows Version 4.0
SEQ ID NO 473
LENGTH: 1155
TYPE: DNA
ORGANISM: Homo sapien
US-09-699-295-301-473

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Query Match 100.0% Score 1155 DB % Length 1155
Host Local Similarity 100.0% Prod. No. 0
Matches 1155 Consensitive 0 Mismatches 0 Indels 0 Gaps 0
QY 1 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 60
DB 1 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 60
QY 61 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 120
DB 61 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 120
QY 121 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
DB 121 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
QY 181 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 240
DB 181 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 240
QY 241 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
DB 241 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
QY 301 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
DB 301 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
QY 361 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
DB 361 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
QY 421 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
DB 421 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
QY 481 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540
DB 481 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540
QY 541 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 600
DB 541 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 600
QY 601 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 660
DB 601 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 660
QY 661 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
DB 661 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
QY 721 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
DB 721 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
QY 781 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
DB 781 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
QY 841 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
DB 841 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
QY 901 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
DB 901 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
QY 961 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
DB 961 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
QY 1021 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
DB 1021 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080

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CURRENT AFFILIATION NUMBER: 00000759,14
CURRENT AFFILIATION: 
CURRENT AFFILIATION DATE: 2001-01-12
NUMBER OF SEO ID NOS: 944
SOFTWARE: FASTSEO for Windows Version 3.0
SEO ID N: 374
LENGTH: 1155
TYPE: INA
ORGANISM: Homo Sapien
IN-ON: 759-143-374

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Query Match	100.0%	Score 1155	DB 10	Length 1155
Best Local Similarity	100.0%	Prod. No. 0		
Matches 1155	Conservative 0	Mismatches 0	Indels 0	Gaps 0

[illegible][illegible]

## PERSUASION

Sequence 374, Application No. US2004780669  
Patent No. US2002008147A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jianqun  
APPLICANT: Dillon, Peyton C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocke, Susan L.  
APPLICANT: Jiang, Yurui  
APPLICANT: Henderson, Robert A.  
APPLICANT: Katos, Michael D.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Reiter, Marc W.  
APPLICANT: Steik, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Wedick, Thomas S.  
APPLICANT: Carter, Patrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skelky, Yasir A.W.  
APPLICANT: Hopler, William  
APPLICANT: Horal, John  
APPLICANT: McNeill, Patricia D.  
TITLE OF INVENTION: DIAGNOSIS AND METHODS FOR THE TREATMENT  
OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 21021.427624  
CURRENT FILING DATE: 2001-02-09  
NUMBER OF SEQ ID NOS: 943  
SOFTWARE: FASTSEQ FOR WINDOWS VERSION 3.0  
SEQ ID NO: 474  
LENGTH: 1155  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-04-780-669-474

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copy Match      100.00; Score 1155; 18 10; Length 1155;
best Local Similarity 100.00; Pred. No. 0;
Matches 1155; conservative 0; Mismatches 0; Indels 0; Gaps 0;

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[illegible]



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1  RESULT 9
2  05-09-822-827-373
3  Sequence 473, APPLICATION: 05/20040222
4  Patient No. 0520020081680A1
5  GENERAL INFORMATION:
6  APPLICANT: Xu, Jiangchun
7  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
8  TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
9  FILE REFERENCE: 210121.534C1
10 CURRENT APPLICATION NUMBER: 25/2007/822.957
11 CURRENT FILING DATE: 2001-03-28
12 NUMBER OF SEQ ID NOS: 982
13 SOFTWARE: FASTSEQ for windows Version 3.0
14 SEQ ID NO 373
15 LENGTH: 1155
16 TYPE: DNA
17 ORGANISM: Homo sapien
18 05-09-822-827-373

```

[illegible]













7

8

9







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181 ATGGGTAATGGTGGGCGCATGGCTTCGCTGGTGAAGGCGATGGGTAAAGCAAGCTG 240
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241 GGGGCTGTGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 300
301 TGGGCTGTGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 360
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361 GGAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 420
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781 TATGGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 840
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RESULT 4  
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181 181 241 241 301 301 361 361 421 421 481 481 541 541 601 601 661 661 721 721 781 781 841 841 901 901 961 961 1021 1021 1041 1041 1141 1141

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GENERAL INFORMATION:
APPLICANT: Erudakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Bond, Steven G.
APPLICANT: Misher, Linda
APPLICANT: Porter, Marc W.
APPLICANT: Dillon, David C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TREATMENT AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121-4196
CURRENT APPLICATION NUMBER: US/99/429,755A
CURRENT FILING DATE: 1999-10-28
NUMBER OF SEQ ID NOS: 315
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 301
LENGTH: 1155
TYPE: DNA
ORGANISM: Homo sapien
US-09-429-755-301
Query Match: 100.0%, Score 1155, DB 18, Length 1155,
Post Local Similarity: 100.0%, Pct. No. 4,8e-306,
Matches 1155: Conservative 0, Mismatches 0, Indels 0, Gaps 0
1 ATGGTAAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 60
1 ATGGTAAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 60
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61 AGGAGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 120
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181 ATGGGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 240
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421 GATTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 480
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661 TGTGGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 720
661 TGTGGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 720
721 ACCACTGTGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 780
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US-09 483-672A-373
? Sequence 273: Application: us-09-672A
? GENERAL INFORMATION:
? APPLICANT: Ko, Jiaqichun
? APPLICANT: Dillon, David G.
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: Harlocker, Susan Louise
? APPLICANT: Jiaqi Youqi
? APPLICANT: Reed, Steven G.
? APPLICANT: Kalos, Michael D.
? APPLICANT: Fanger, Gary R.
? APPLICANT: Rottler, Marie W.
? APPLICANT: Solt, John A.
? APPLICANT: Day, Craig H.
? APPLICANT: Skelky, Yashir A.W.
? APPLICANT: Wang, Aljun
? APPLICANT: Meagher, Madeleine
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
? FILE REFERENCE: 21021.42711C11
? CURRENT AFFILIATION NUMBER: US/97/483, 672A
? CURRENT FILING DATE: 2000-01-14
? NUMBER OF SEQ ID NOS: 590
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 373
? LENGTH: 1155
? TYPE: DNA
? ORGANISM: Homo sapien
US-09 483-672A-373

Query Match: 100.0%; Score 1155; DB 18; Length 1155;
Post local similarity: 100.0%; Field No: 4,80-305;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

? 1 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 60
Db 1 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 60
? 1 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 60
Db 1 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 60
? 61 AAGAGCAGATGAGTGGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
Db 61 AAGAGCAGATGAGTGGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
? 121 AATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 180
Db 121 AATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 180
? 141 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 240
Db 141 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 240
? 181 AATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
Db 181 AATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
? 241 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
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? 401 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
Db 401 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
? 461 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 420
Db 461 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 420
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? 421 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 480
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? 421 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 480
Db 421 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 480
? 481 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 540
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? 541 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 600
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? 601 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 600
Db 601 GATTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 600
? 661 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 720
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? 721 ACCGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 780
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? 781 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 840
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? 841 CATGAGTAAATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 900
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? 901 GCGATGATGATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 960
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? 961 GCGATGATGATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1020
Db 961 GCGATGATGATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1020
? 1021 GCGATGATGATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1080
Db 1021 GCGATGATGATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1080
? 1081 AAGGAAATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
Db 1081 AAGGAAATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
? 1141 ACCGAAATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1200
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RESULT 7
US-09-534-825A-301
? Sequence 301: Application: us-09-534-825A
? GENERAL INFORMATION:
? APPLICANT: Fitzpatrick, Tony N
? APPLICANT: Smith, John M.
? APPLICANT: Reed, Steven G.
? APPLICANT: Mishra, Lynda
? APPLICANT: Rottler, Marie W.
? APPLICANT: Dillon, David G.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
? TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
? FILE REFERENCE: 21021.41967
? CURRENT AFFILIATION NUMBER: US/97/534, 825A
? CURRENT FILING DATE: 2000-03-23
? NUMBER OF SEQ ID NOS: 317
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 301
? LENGTH: 1155
? TYPE: DNA
? ORGANISM: Homo sapien
US-09-534-825A-301

Query Match: 100.0%; Score 1155; DB 20; Length 1155;
Post local similarity: 100.0%; Field No: 4,80-306;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

? 1 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 60
Db 1 ATGCTGTTGAGTTGATTCATTCATTCGCGCTGCTTCTCTTGAGAAATCTATTGCTG 60

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Cy 601 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 660
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Db 601 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 660
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Cy 661 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 720
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Db 721 ACCAGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 780
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Cy 781 TATGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 840
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Db 781 TATGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 840
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Db 841 CATGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 900
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Db 901 CTGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 960
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Cy 961 GTGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1020
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Db 961 GTGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1020
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Cy 1021 GCGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1080
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Db 1021 GCGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1080
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Cy 1081 AAAAGAAAGAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1140
|||
Db 1081 AAAAGAAAGAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1140
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Cy 1141 ACCAGAAATAAATAA 1155
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Db 1141 ACCAGAAATAAATAA 1155
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TYPE: DNA
PROGRAM: Homo sapien
US-09-568-100A-473

Query Match: 100.0% Score 1155; DB 22; Length 1155;
Post Local Similarity 100.0%; Prod No. 4 80-300;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 ATGCTGCTGAGTAAATTCAGAAAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 60
|||
Db 1 ATGCTGCTGAGTAAATTCAGAAAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 60
|||
Cy 61 AGGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 120
|||
Db 61 AGGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 120
|||
Cy 121 AGGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 180
|||
Db 121 AGGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 180
|||
Cy 181 ATGCTGCTGAGTAAATTCAGAAAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 240
|||
Db 181 ATGCTGCTGAGTAAATTCAGAAAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 240
|||
Cy 241 GCGCTTCAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 300
|||
Db 241 GCGCTTCAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 300
|||
Cy 301 TGTGCTTCAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 360
|||
Db 301 TGTGCTTCAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 360
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Cy 361 GCGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 420
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Db 361 GCGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 420
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Db 421 GAGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 480
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Cy 481 GCGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 540
|||
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|||
Cy 541 TGTGCTTCAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 600
|||
Db 541 TGTGCTTCAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 600
|||
Cy 601 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 660
|||
Db 601 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 660
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Cy 661 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 720
|||
Db 661 GTCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 720
|||
Cy 721 ACCAGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 780
|||
Db 721 ACCAGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 780
|||
Cy 781 TATGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 840
|||
Db 781 TATGCTTCAGAAAGAAAAAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 840
|||
Cy 841 CATGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 900
|||
Db 841 CATGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 900
|||
Cy 901 CTGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 960
|||
Db 901 CTGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 960
|||
Cy 961 GTGAGTAAAGAAAGAGAGAGCTGTATATAAAGCCCTACATGCGAGAGATGAA 1020
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```



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1 LENGTH: 1155
2 TYPE: DNA
3 ORGANISM: Homo sapien
4 US-09-593-583-101

Query Match
  100.0% Score 1155; DB 22; Length 1155;
  Best local similarity 100.0%; Pred. No. 4,8e-306;
  Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 1 ATGGTGTGATGATTTATTCATATGCGATGCTTTGTGAAAGAAATGATGAGTCTG 60
DB 1 ATGGTGTGATTTATTCATATGCGATGCTTTGTGAAAGAAATGATGAGTCTG 60
UY 61 AAGAGCAATAGAGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
DB 61 AAGAGCAATAGAGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
UY 121 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 180
DB 121 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 180
UY 181 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
DB 181 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
UY 241 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
DB 241 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
UY 301 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
DB 301 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
UY 361 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 420
DB 361 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 420
UY 421 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 480
DB 421 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 480
UY 481 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 540
DB 481 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 540
UY 541 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 600
DB 541 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 600
UY 601 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 660
DB 601 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 660
UY 661 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 720
DB 661 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 720
UY 721 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 780
DB 721 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 780
UY 781 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 840
DB 781 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 840
UY 841 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 900
DB 841 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 900
UY 901 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 960
DB 901 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 960

```

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UY 961 GTCAGGCTGCTGATGAGCAAAATATGATGATCTGTCAGATGATGATGATG 1020
DB 961 GTCAGGCTGCTGATGAGCAAAATATGATGATCTGTCAGATGATGATGATG 1020
UY 1021 GTCAGGCTGCTGATGAGCAAAATATGATGATCTGTCAGATGATGATGATG 1080
DB 1021 GTCAGGCTGCTGATGAGCAAAATATGATGATCTGTCAGATGATGATGATG 1080
UY 1081 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
DB 1081 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1140
UY 1141 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1200
DB 1141 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1200

```

```

PESULT 12
US-09-593-793A-373
Sagebase 373 Application US/09593793A
GENERAL INFORMATION:
  APPLICANT: Xu, Jiaqun
  APPLICANT: Dillon, David G.
  APPLICANT: Mitchem, Jennifer L.
  APPLICANT: Harlock, Susan L.
  APPLICANT: Jia, Yugu
  APPLICANT: Heed, Steven G.
  APPLICANT: Kales, Michael D.
  APPLICANT: Fander, Gary R.
  APPLICANT: Petrov, Mario W.
  APPLICANT: Stolk, John A.
  APPLICANT: Day, Craig H.
  APPLICANT: Vedrick, Thomas S.
  APPLICANT: Castor, Derrick
  APPLICANT: Li, Samuel
  APPLICANT: Wang, Aijun
  APPLICANT: Skelky, Yashir A.W.
  APPLICANT: Helper, William
  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
  FILE REFERENCE: 21021.421615
  CURRENT APPLICATION NUMBER: US/09/593.793A
  NUMBER OF SEQ ID NOS: 814
  SOFTWARE: FastSeq for Windows Version 3.0
  SEQ ID NO 373
  LENGTH: 1155
  TYPE: DNA
  ORGANISM: Homo sapien
  US-09-593-793A-373

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Query Match
  100.0% Score 1155; DB 22; Length 1155;
  Best local similarity 100.0%; Pred. No. 4,8e-306;
  Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 1 ATGGTGTGATGATTTATTCATATGCGATGCTTTGTGAAAGAAATGATGAGTCTG 60
DB 1 ATGGTGTGATGATTTATTCATATGCGATGCTTTGTGAAAGAAATGATGAGTCTG 60
UY 61 AAGAGCAATAGAGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
DB 61 AAGAGCAATAGAGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
UY 121 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 180
DB 121 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 180
UY 181 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
DB 181 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
UY 241 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
DB 241 AATAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300

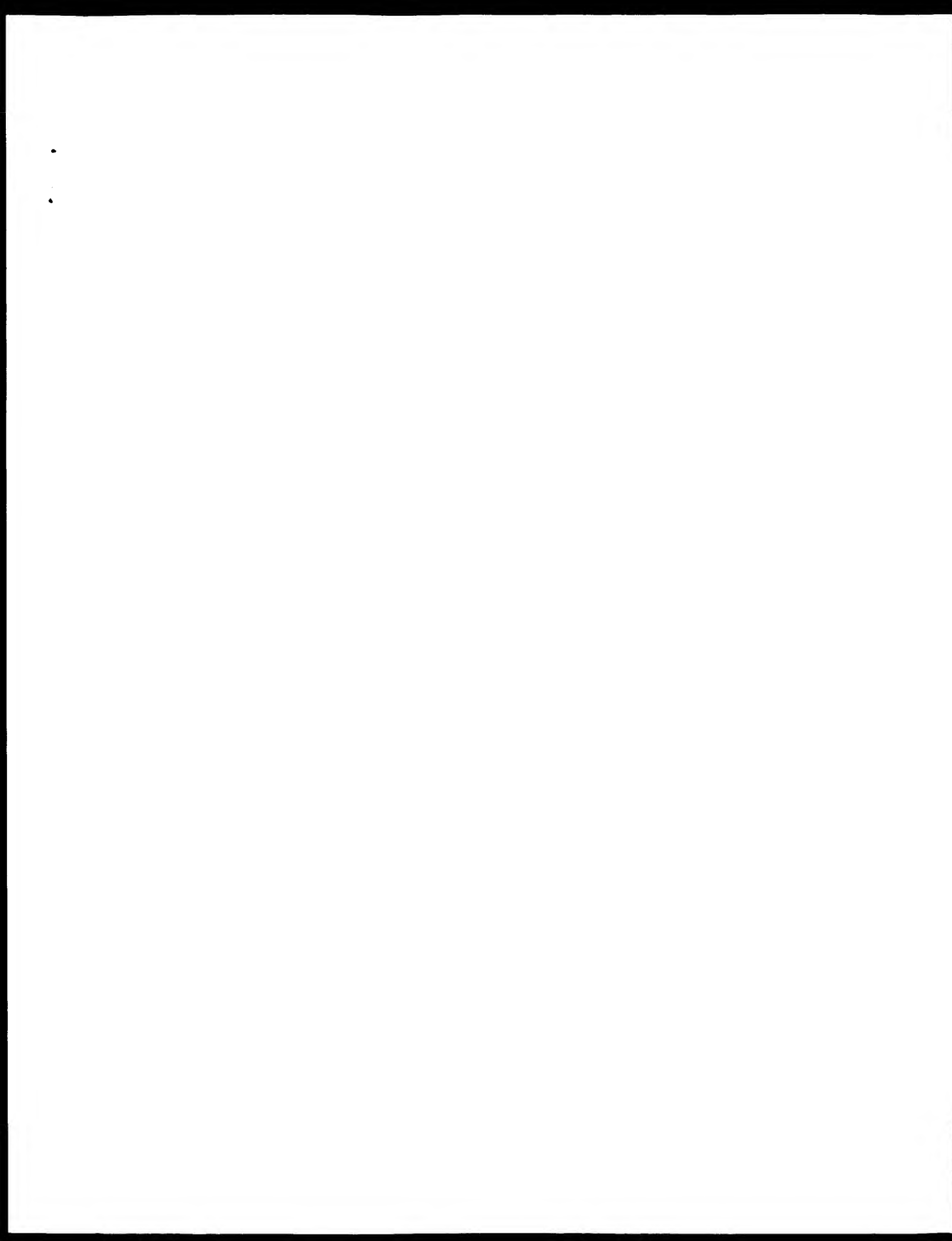
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Search time 61.2 seconds  
(with all updates)  
499.416 M1110n coll updates/sec

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

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April 17, 2003, 07:29:12.1 Search time 61.2 seconds

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April 17, 2003, 07:29:12.1 Search time 61.2 seconds

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April 17, 2003, 07:29:12.1 Search time 61.2 seconds

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April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

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non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

non-interactive search, using the model

April 17, 2003, 07:29:12.1 Search time 61.2 seconds

total No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Process	Score	Match	Length	DB	ID	Description
1	1155	100.00	1155	9	08 09 10 129 909 475	Sequence 475, App
2	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
3	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
4	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
5	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
6	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
7	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
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12	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
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18	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
19	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
20	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
21	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App
22	1155	100.00	1155	9	08 10 129 909 475	Sequence 475, App

23	829	71.8	2184	9	08 10 129 909 475	Sequence 475, App
24	808.5	70.0	804	8	08 10 129 909 475	Sequence 475, App
25	804.8	69.7	1512	6	08 09 593 796A 409	Sequence 409, App
26	804.8	69.7	1512	6	08 10 294 025 409	Sequence 409, App
27	804.8	69.7	1512	6	08 10 129 909 409	Sequence 409, App
28	768	66.5	879	6	08 09 593 796A 431	Sequence 431, App
29	768	66.5	879	9	08 10 294 025 431	Sequence 431, App
30	768	66.5	879	9	08 10 129 909 431	Sequence 431, App
31	622	53.9	687	9	08 10 012 697 149Z	Sequence 149Z, App
32	606	52.5	874	9	08 10 012 697 147Z	Sequence 147Z, App
33	671.4	49.5	1855	6	08 09 593 796A 431	Sequence 431, App
34	671.4	49.5	1855	9	08 10 294 025 431	Sequence 431, App
35	671.4	49.5	1855	9	08 10 129 909 431	Sequence 431, App
36	520	45.0	1059	6	08 09 593 796A 472	Sequence 472, App
37	520	45.0	1059	9	08 10 294 025 472	Sequence 472, App
38	520	45.0	1059	9	08 10 129 909 472	Sequence 472, App
39	610.4	44.2	640	8	08 10 129 909 400A	Sequence 400A, App
40	609.8	44.1	695	9	08 10 012 697 943	Sequence 943, App
41	495.4	42.9	605	8	08 10 129 909 400Z	Sequence 400Z, App
42	475.2	40.6	560	11	08 09 441 869 536	Sequence 536, App
43	475.2	40.6	560	11	08 09 475 869 8005	Sequence 8005, App
44	464.4	40.7	560	8	08 10 129 909 400Z	Sequence 400Z, App
45	433.6	27.2	767	9	08 10 012 697 40Z	Sequence 40Z, App

ATTENDANTS

1	US 09 593 796A 475	Applicant: 796A 475
2	GENERAL INFORMATION	
3	APPLICANT: X-1, John A. Smith	
4	APPLICANT: Dillman, David C.	
5	APPLICANT: Mitchell, Jonathan L.	
6	APPLICANT: Bell, J. L. Smith Jr.	
7	APPLICANT: Smith, Robert G.	
8	APPLICANT: Brown, Michael D.	
9	APPLICANT: Brown, Gary K.	
10	APPLICANT: Smith, John A.	
11	APPLICANT: Day, Fred H.	
12	APPLICANT: Wadsworth, Thomas S.	
13	APPLICANT: Carter, Darrick	
14	APPLICANT: Wang, Samuel	
15	APPLICANT: Smith, Yashu A.M.	
16	APPLICANT: Smith, William	
17	TITLE OF INVENTION: METHODS AND APPARATUS FOR THE RAPID AND	
18	EFFICIENT IDENTIFICATION OF BIOLOGICAL SAMPLES	
19	INVENTOR: DILLMAN, DAVID C.; MITCHELL, JONATHAN L.	
20	ATTORNEY: FILLINGIM, 2000 06 14	
21	REFERENCE TO OTHER PATENTS: 2000 06 14	
22	REFERENCE TO OTHER PATENTS: 2000 06 14	
23	REFERENCE TO OTHER PATENTS: 2000 06 14	
24	REFERENCE TO OTHER PATENTS: 2000 06 14	
25	REFERENCE TO OTHER PATENTS: 2000 06 14	
26	REFERENCE TO OTHER PATENTS: 2000 06 14	
27	REFERENCE TO OTHER PATENTS: 2000 06 14	
28	REFERENCE TO OTHER PATENTS: 2000 06 14	
29	REFERENCE TO OTHER PATENTS: 2000 06 14	
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33	REFERENCE TO OTHER PATENTS: 2000 06 14	
34	REFERENCE TO OTHER PATENTS: 2000 06 14	
35	REFERENCE TO OTHER PATENTS: 2000 06 14	
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37	REFERENCE TO OTHER PATENTS: 2000 06 14	
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39	REFERENCE TO OTHER PATENTS: 2000 06 14	
40	REFERENCE TO OTHER PATENTS: 2000 06 14	
41	REFERENCE TO OTHER PATENTS: 2000 06 14	
42	REFERENCE TO OTHER PATENTS: 2000 06 14	
43	REFERENCE TO OTHER PATENTS: 2000 06 14	
44	REFERENCE TO OTHER PATENTS: 2000 06 14	
45	REFERENCE TO OTHER PATENTS: 2000 06 14	

[illegible]

RESULT 2  
US-10-294-025 473

; SEQUENCE 3/3, APPLICATION  
; GENERAL INFORMATION:; APPLICANT: Xu, Jiaqichun  
; APPLICANT: Stolk, John

1. TITLE OF INVENTION, COMPOSITIONS AND METHODS FOR THE THERAPY AND...

1. TITLE OF INVENTION: DIAGNOSIS OF PROSTATE  
2. FILE REFERENCE: 210121.427029

CURRENT APPLICATION NUMBER: 2002-11-12  
CURRENT FILING DATE: 2002-11-12

NUMBER OF SETS: 1038  
SOFTWARE: FASTSEO for Windows Ver.

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; SEQ ID NO 373
;
; LENGTH: 1155

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TYPE: DNA  
; ORGANISM: Homo sapiens

09-19-2004-025-473

Query Match	100.0%;	Score 1155;	Id# 9;	Length 1155;
Best local similarity	100.0%;	Prod. No. 1c 291;		

Matches	1997	Conservative	07	Mishachites	07	Indels	07	Cups
---------	------	--------------	----	-------------	----	--------	----	------

1 A16G10G10AGC10A10C06R10C10C10G10G10GAA0A000 A110G1010G 09

1 ALSO USED FOR THE PURPOSE OF IDENTIFYING THE

[illegible][illegible][illegible][illegible][illegible]

**A**

241 GCGGCTCTACAGATACCTCTATTAAGATATTCATTAACAAATGATTAAT

501 TGGTCTGACAGGATAGCGAAGAAAGCAAGTTAGGCTTAG  
502

Dh  
301 TGGCTGTGCGCAACTGTTTCCCTTCCTACAGCCTAAATGTAAGAAGAACGAAGGCTGGTGGCTTAG 44

361 GAGAACACATCATCTTCCGTTAATAAGAGCGCAACTAAACGCTGGTCGAAGAACAATTG AAG

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421 GAGCAGCTCGACCAACTGTCGTCCGGTAAAGTCGTTAGAAGCATCTTAATGTCATG 48

421 GACAAAGCTGTCACGACGCTGCTGGGCTAAACATGCTGATATGCTGATG 480

481 CTTACGCAATCAATCTGAAAGAAACGCAAAAGTAAAGAGGCACTGGTCTATCTGAGC 54

481 CTTCAGCAGACACACAGCTGAAACAGCAACACAAACGAAATGATCTACATCTTCTCC 544

541 TCTGCTAATGGGAATTCAGAACTTAACTCTCTCTGGACACATCATGTAATTAAT 600

Dp 541 TCTGGCATGGGAATTGAGAGCTAGTAAACTCTGCTGGGCACTCATGTCACTTAATCT

601 GTCTCTTGACCAACAAAGAGTACGCTTTCATTAAGGCTGTACATTCGACCAAGATGAA 66

136 5'GTCTTTCACAACTAAAAGAGATGCTTCGATTAACAGCTGTACAAAGCCAGATACGATGAA 60

661 TGTGGTTAATGTTGCTGGAAATGAGCTGATCTCAAAATATCTCAATAGATTAATGGAAAT 72

661 TGTGGTTAACTTGGTGGAAATGGGATGATGATCTAAATATCTATAGATAGGAAAT 72







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Db 481 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 546
      |||
QY 541 TCTGCTAATGCAATTAACAACTATTAATAATCTGCTGCAATTAATTAAT 600
      |||
Db 541 TCTGCTAATGCAATTAACAACTATTAATAATCTGCTGCAATTAATTAAT 600
      |||
QY 601 GTCCTTGAACAAACAAACAGCACTGCTGCAATTAATTAATTAATTAAT 660
      |||
Db 601 GTCCTTGAACAAACAAACAGCACTGCTGCAATTAATTAATTAATTAAT 660
      |||
QY 661 TCTGCTAATGCAATTAACAACTATTAATAATCTGCTGCAATTAATTAAT 720
      |||
Db 661 TCTGCTAATGCAATTAACAACTATTAATAATCTGCTGCAATTAATTAAT 720
      |||
QY 721 ACCACTGCTGCACTACCTTATTAATGCAATTAATTAATTAATTAATTAAT 780
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Db 721 ACCACTGCTGCACTACCTTATTAATGCAATTAATTAATTAATTAATTAAT 780
      |||
QY 781 TATGCTGCTGCACTACCTTATTAATGCAATTAATTAATTAATTAATTAAT 840
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Db 781 TATGCTGCTGCACTACCTTATTAATGCAATTAATTAATTAATTAATTAAT 840
      |||
QY 841 CATGAGCAAAACAAACAGCACTGCTGCAATTAATTAATTAATTAATTAAT 900
      |||
Db 841 CATGAGCAAAACAAACAGCACTGCTGCAATTAATTAATTAATTAATTAAT 900
      |||
QY 901 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 960
      |||
Db 901 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 960
      |||
QY 961 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 1020
      |||
Db 961 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 1020
      |||
QY 1021 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 1080
      |||
Db 1021 GTCAGGACACTACCTTAAATACAGCAATTAACAGCACTGCTTATATCTGCT 1080
      |||
QY 1081 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAAT 1140
      |||
Db 1081 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAAT 1140
      |||

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## RESULT 7

```

US-10-294-025-374
Sequence 374, Application US/10294025
GENERAL INFORMATION:
APPLICANT: Xu, Jianqun
APPLICANT: Stolk, John A.
APPLICANT: Kalos, Michael D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITRATION OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 21021.427629
CURRENT APPLICATION NUMBER: US/10294-025
CURRENT FILING DATE: 2002-11-02
NUMBER OF SEQ ID NOS: 1038
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 374
TYPE: DNA
ORGANISM: Homo sapiens
US-10-294-025-374

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## Query Match

98.0% Score 1141.6; DB 9; Length 2000;

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Host local similarity 99.6% Pred. No. 1.6e-285;
Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Db 1 ATGGGCTGAGTATGCTGCAATTAATTAATTAATTAATTAATTAATTAATTAAT 60
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Db 41 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 120
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QY 121 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 180
      |||
Db 121 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 180
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QY 181 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 240
      |||
Db 181 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 240
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      |||
QY 301 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 360
      |||
Db 301 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 360
      |||
QY 361 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 420
      |||
Db 361 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 420
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      |||
Db 421 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 480
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QY 481 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 540
      |||
Db 481 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 540
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QY 541 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 600
      |||
Db 541 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 600
      |||
QY 601 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 660
      |||
Db 601 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 660
      |||
QY 661 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 720
      |||
Db 661 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 720
      |||
QY 721 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 780
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Db 721 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 780
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QY 781 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 840
      |||
Db 781 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 840
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QY 841 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 900
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Db 841 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 900
      |||
QY 901 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 960
      |||
Db 901 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 960
      |||
QY 961 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 1020
      |||
Db 961 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 1020
      |||
QY 1021 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 1080
      |||
Db 1021 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 1080
      |||
QY 1081 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 1140
      |||
Db 1081 AAGAGCAAAACAGCACTGCTGCAATTAATTAATTAATTAATTAATTAATTAAT 1140
      |||

```

## RESULT 8













QY 601 GTGCTTAAACAAAATACATACTCTGATAAACAGGAGTAAATGAGAAATGAGAA 699  
 Db 823 GTGCTTAAACAAAATACATACTCTGATAAACAGGAGTAAATGAGAAATGAGAA 882  
 QY 661 TTTGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 726  
 Db 883 TTTGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 942  
 QY 721 ACCACTCTGACTAGCTTATCTATATATATATATATATATATATATATATATAT 796  
 Db 943 ACCACTCTGACTAGCTTATCTATATATATATATATATATATATATATATATAT 1002  
 QY 741 TATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 840  
 Db 1003 TATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1062  
 QY 841 CATGAGCAAAAACAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAAATGAG 866  
 Db 1063 CATGAGCAAAAACAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAAATGAG 1122  
 QY 906 ACTGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 956  
 Db 1123 ACTGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1182  
 QY 960 AATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1019  
 Db 1183 AATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1248  
 QY 1023 AATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1079  
 Db 1239 AATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1298  
 QY 1080 CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1138  
 Db 1299 CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA 1457

## RESULT 15

US-09-593-793A-530  
 Sequence 530, Application US/09593793A

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
 APPLICANT: Milton, Jennifer  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Hattori, Susan L.  
 APPLICANT: Jiang, Yugu  
 APPLICANT: Reed, Steven G.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Felder, Gary R.  
 APPLICANT: Ketter, Marc W.  
 APPLICANT: Strick, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Veddy, Thomas S.  
 APPLICANT: Carter, Derrick  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Aijun  
 APPLICANT: Skeiky, Tahir A.W.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 21021.421515  
 CURRENT APPLICATION NUMBER: US/09-593-793A  
 CURRENT FILING DATE: 2000-06-13  
 NUMBER OF SEQ ID NOS: 814  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 530  
 LENGTH: 1852  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-593-793A-530

City: Natick, MA 01909-5011, FR 6, Length: 1852,  
 Best Local Similarity: 95.2%, Prod No: 1.0e-209,

Matches	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000																																									
216	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	217	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	218	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	219	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	220	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	221	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	222	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	223	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	224	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	225	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	226	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	227	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	228	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	229	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	230	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	231	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	232	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	233	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	234	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	235	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	236	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	237	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	238	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	239	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	240	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	241	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	242	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	243	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	244	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	245	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	246	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	247	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	248	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	249	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	250	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	251	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	252	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	253	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	254	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	255	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	256	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	257	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	258	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	259	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	260	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	261	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	262	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	263	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	264	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	265	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	266	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	267	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	268	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	269	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	270	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	271	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	272	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	273	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	274	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	275	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	276	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	277	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	278	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	279	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	280	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	281	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	282	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	283	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	284	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	285	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	286	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	287	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	288	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	289	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	290	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	291	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	292	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	293	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	294	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	295	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	296	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	297	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	298	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	299	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA	300	CAATGCTTAAATCTTCTGAAATCTCTGATAAACAGGAGTAAATGAGAAATGAGAA

Search completed: April 17, 2003, 10:43:41  
 Job time: 627 secs

Received for consideration, November 15, 1965; accepted for publication, February 1, 1966.

[illegible]

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QY 181 SANGSEVVKLLDPRQULNVLNKKRTALIKAVQJDEBQALMLHNGIDPNIIDPEYGN 240
DB 181 SANGSEVVKLLDPRQULNVLNKKRTALIKAVQJDEBQALMLHNGIDPNIIDPEYGN 240
QY 241 TLHVAIYNEKLMKALLYGADIESNNKMLPILGVBHRCQVVKVLEKKANLNA 300
DB 241 TLHVAIYNEKLMKALLYGADIESNNKMLPILGVBHRCQVVKVLEKKANLNA 300
QY 401 LDRYGTALILAVCGSASIVSLLEONIIVSSQILSQOTAREVAVSHHHVTCQLSDY 360
DB 401 LDRYGTALILAVCGSASIVSLLEONIIVSSQILSQOTAREVAVSHHHVTCQLSDY 360
QY 361 KEKOMKISSNSNPENVSRTNKK 384
DB 361 KEKOMKISSNSNPENVSRTNKK 384

RESULT 2
US-09-439-313-478
Sequence 378, Applicant: US-09-439-313-478
Patent No. 6429505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fager, Gary
APPLICANT: Keller, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 21021.427C9
CURRENT FILING DATE: 1997-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FASTSU for Windows Version 3.0
SEQ ID NO 378
LENGTH: 1719
TYPE: PRT
ORGANISM: Homo sapien
US-09-439-313-478

Query Match 100.0%; Score 2064; DB 4; Length 1719;
Best Local Similarity 100.0%; Pred. No. 2, 4c-204;
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 401 LDRYGTALILAVCGSASIVSLLEONIIVSSQILSQOTAREVAVSHHHVTCQLSDY 360
QY 361 KEKOMKISSNSNPENVSRTNKK 384
DB 361 KEKOMKISSNSNPENVSRTNKK 384

RESULT 3
US-09-352-616A-478
Sequence 378, Applicant: US-09-352-616A-478
Patent No. 6495278
GENERAL INFORMATION:
APPLICANT: Dillon, David C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 21021.427C8
CURRENT FILING DATE: 1999-07-14
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FASTSU for Windows Version 3.0
SEQ ID NO 378
LENGTH: 1719
TYPE: PRT
ORGANISM: Homo sapien
US-09-352-616A-478

Query Match 100.0%; Score 2064; DB 4; Length 1719;
Best Local Similarity 100.0%; Pred. No. 2, 4c-204;
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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[illegible]

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1      RESULT 7
2      US-09-605-785-380
3      : Sequence 380, Application US/09605785
4      : Patient No. 6321715
5      :
6      : GENERAL INFORMATION:
7      :
8      : APPLICANT: Xu, Jianchun
9      : APPLICANT: Dillon, David C.
10     : APPLICANT: Micham, Jennifer L.
11     : APPLICANT: Harlocker, Susan L.
12     : APPLICANT: Jiaod, Yuzui
13     : APPLICANT: Henderson, Robert A.
14     : APPLICANT: Kalos, Michael D.
15     : APPLICANT: Fanger, Gary R.
16     : APPLICANT: Ketter, Marc W.
17     : APPLICANT: Stolk, John A.
18     : APPLICANT: Day, Craig H.
19     : APPLICANT: Vedvick, Thomas S.
20     : APPLICANT: Carter, Darrick
21     : APPLICANT: Wang, Aljun
22     : APPLICANT: Speiky, Yasar A. W.
23     : APPLICANT: Hepler, William
24     : APPLICANT:
25     : TITLE OR INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
26     : FILE REFERENCE: 210921.12016
27     : CURRENT APPLICATION NUMBER: US 2009/0957397
28     : CURRENT FILING DATE: 2009-06-27
29     : NUMBER OF SEQ ID NOS: 835
30     : SOFTWARE: FASTSEQ for Windows Version 3.0
31     : SEQ ID NO 380
32     : LENGTH: 671
33     :
34     : TYPE: PRT
35     : ORGANISM: Homo Sapiens
36     : US-09-605-785-380

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Query Match Similarity: 98.1% Score 2024 DB 4 Length 671;
Host Local Similarity: 100.0% Host Name 70231
Matches 376 Conservative 0 Mismatches 0 Labels 0 Gaps 0
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Q7	61	MCWMECHPFCGPGKSNKVAZAGDEHHSAMKTLJANMERWVHHPVWKSQSVQAM	1.20
Db	61	MCWMECHPFCGPGKSNKVAZAGDEHHSAMKTLJANMERWVHHPVWKSQSVQAM	1.20
Q7	121	GVYVNSAWEPEYHWTETLKLHBAWMAKVPVKTLYMKEIVNPEPEVETALHA	1.60
Db	121	GVYVNSAWEPEYHWTETLKLHBAWMAKVPVKTLYMKEIVNPEPEVETALHA	1.60
Q7	181	SANVNSEVVELLEDPGQENLVNPEPTATLVAVVQEEVPMELLENLDRNIDEGN	2.40
Db	181	SANVNSEVVELLEDPGQENLVNPEPTATLVAVVQEEVPMELLENLDRNIDEGN	2.40
Q7	241	LEHVAIVNEKLEAKALLVGMALSRPRDCLTALCVNDEGVVGLLEKAAVNA	3.00
Db	241	LEHVAIVNEKLEAKALLVGMALSRPRDCLTALCVNDEGVVGLLEKAAVNA	3.00
Q7	301	IDVYGTATLVAVVGSASIVSLIFQNIIVSSQISQVFAREYAVSSHHVTVLLSDY	3.60
Db	301	IDVYGTATLVAVVGSASIVSLIFQNIIVSSQISQVFAREYAVSSHHVTVLLSDY	3.60
Q7	361	KEKQMLKISSNSNPE	376
Db	361	KEKQMLKISSNSNPE	376

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1 RESULT: 8
2 05-09-439-314-380
3 : Sequence 280, Application: 05/09439413
4 : Patent No. 6329505
5 :
6 : GENERAL INFORMATION:
7 :
8 : APPLICANT: Xu, Jiangchun
9 : APPLICANT: Dillon, David C.
10 : APPLICANT: Mitcham, Jennifer L.
11 : APPLICANT: Harlocker, Susan Louise
12 : APPLICANT: Jiang Yugu
13 : APPLICANT: Reed, Steven G.
14 : APPLICANT: Kalos, Michael
15 : APPLICANT: Fanger, Gary
16 : APPLICANT: Reiter, Mark
17 : APPLICANT: Solk, John
18 : APPLICANT: Day, Craig
19 :
20 : TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
21 : FILE REFERENCE: 210121.427C9
22 :
23 : CURRENT APPLICATION NUMBER: 05/09439, 314
24 : CURRENT FILING DATE: 1999-11-12
25 :
26 : NUMBER OF SEQ ID NOS: 575
27 :
28 : SOFTWARE: FastSp for Windows Version 3.0
29 :
30 : SEQ ID NO 380
31 :
32 : LENGTH: 571
33 :
34 : TYPE: Prf
35 :
36 : ORGANISM: Homo sapien
37 :
38 : 05-09-439-314-380

```

Query Match:	98-1%, Exact 2024	DB 46, Length: 571
Post-Local Similarity:	100.0%	From: 20.8 To: 20.1
Matches: 275,	Conservative: 0,	Mismatches: 0, Toler: 0, Gaps: 0
QY	1	MMVEVDSMVAASSVKKPGLPGLSKRMKRWVYDCHPQTPESKSNVHTSNHSDAMKTLPSK 60
DB	1	MMVEVDSMVAASSVKKPGLPGLSKRMKRWVYDCHPQTPESKSNVHTSNHSDAMKTLPSK 60
QY	61	MTWVHTHTPTGPGSKRSNVASNGEHSANPTLNPWEVWYDCHPQTPESKSNVAM 120
DB	61	MTWVHTHTPTGPGSKRSNVASNGEHSANPTLNPWEVWYDCHPQTPESKSNVAM 120
QY	121	GLTNGATNMDLSDHVEGLDILRLHFAAMKLVNTPGGLVMPLTLEVATGYSKALHIA 180
DB	121	GLTNGATNMDLSDHVEGLDILRLHFAAMKLVNTPGGLVMPLTLEVATGYSKALHIA 180
QY	181	SANQHSVYVLLDTHRGQINVDIKKFTALLRNQGLDSDGLMELDHDGNGHTLEYN 240
DB	181	SANQHSVYVLLDTHRGQINVDIKKFTALLRNQGLDSDGLMELDHDGNGHTLEYN 240



? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ? FILE REFERENCE: 219121, 42709  
 ? CURRENT APPLICATION NUMBER: US/09/439, 413  
 ? CURRENT FILING DATE: 1999-11-12  
 ? NUMBER OF SEQ ID NOS: 575  
 ? SOFTWARE: FASTSTO for Windows Version 3.0  
 ? SEQ ID NO 532  
 ? LENGTH: 292  
 ? TYPE: PRT  
 ? ORGANISM: Homo sapiens  
 ? US-09-439-413-376

Query Match 63.7% Score 1214; DB 1; Length 292;  
 Host Local Similarity 93.9%; Prod. No. 750109;  
 Matches 245; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 73 KGSRSNVASGSHQSAMTTFNFMFWCH-FPGSPSCSFVZAMZDYDASPEPR 132  
 DB 15 KGSRSNVATSTGHTNSVKNLQSKWCH-FVPSNSNVAVWYVDDSAFMDPR 74  
 QY 133 YHVGEDLEKHEAAMWGVPRKDTVMPTGVNKKCKQKPTALHLASANGSEVKLL 192  
 DB 75 YHVGEDLEKHEAAMWGVPRKDTVMPTGVNPKGQKPTALHLASANGSEVKLV 134  
 QY 193 TFEPTGNTFTNPPATTAVAVGCEPEVAMMLPMDHNEVEYCNTEHYAYNEK 252  
 DB 135 LDRGQVNTLTKRIALAKAVQDRIYALMLHSDHNPIDEGNTLHAYAVYNEK 194  
 QY 253 LMAVATTVATTFPRPRFTTTSQVDEKQVYPTTFKFAHNALEFGSALCIA 412  
 DB 195 LMAALVAGADLESKRKHRTLLTTHFGQGVKPIKKRANLADVPFALLIA 254  
 QY 313 WCGSASVSLLEGNTPVSSPT 346  
 DB 255 WCGSASVSLLEGNVDSQDL 278

## RESULT 12

US-09-605-785-376

? Sequence 376; Application Us-09-605-785-376  
 ? Patent No. 6321716  
 ? GENERAL INFORMATION:

? APPLICANT: Xu, Jiangchun  
 ? APPLICANT: Dillon, David C.  
 ? APPLICANT: Mitcham, Jennifer L.  
 ? APPLICANT: Harlocker, Susan L.  
 ? APPLICANT: Jiang, Yugu  
 ? APPLICANT: Henderson, Robert A.  
 ? APPLICANT: Kalos, Michael D.  
 ? APPLICANT: Fanger, Gary R.  
 ? APPLICANT: Reiter, Mark W.  
 ? APPLICANT: Solk, John A.  
 ? APPLICANT: Day, Craig H.  
 ? APPLICANT: Vedvick, Thomas S.  
 ? APPLICANT: Carter, Derrick  
 ? APPLICANT: Li, Samuel  
 ? APPLICANT: Wang, Aijun  
 ? APPLICANT: Skelky, Yasir A.W.  
 ? APPLICANT: Hepler, William  
 ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ? FILE REFERENCE: 219121, 42709  
 ? CURRENT APPLICATION NUMBER: US/09/605, 785  
 ? CURRENT FILING DATE: 2000-04-27  
 ? NUMBER OF SEQ ID NOS: 835  
 ? SOFTWARE: FASTSTO for Windows Version 3.0  
 ? SEQ ID NO 376  
 ? LENGTH: 329  
 ? TYPE: PRT  
 ? ORGANISM: Homo sapiens  
 ? US-09-605-785-376

Query Match 55.0% Score 1146; DB 4; Length 329;  
 Host Local Similarity 93.9%; Prod. No. 230109;  
 Matches 216; Conservative 7; Mismatches 7; Indels 1; Gaps 0;

QY 107 KGSRSKSVVAMQDYNSAFNEPPIYVQGNLRIKHPAAMWGVPPKDLVMEEDIV 166  
 DB 86 KGSRSKSVVAMQDYNSAFNEPPIYVQGNLRIKHPAAMWGVPPKDLVMEEDIV 145  
 QY 167 NKPKGKFTALHLASANGSEVKLLTTFNFMFWCH-FPGSPSCSFVZAMZDYDASPEPR 296  
 DB 116 NKPKGKFTALHLASANGSEVKLLTTFNFMFWCH-FPGSPSCSFVZAMZDYDASPEPR 205  
 QY 227 EHTGNTCEYNTLHAYVHEKLMKAAALISQALITFNEKCTHLLTWHAFQV 286  
 DB 226 EHTGNTCEYNTLHAYVHEKLMKAAALISQALITFNEKCTHLLTWHAFQV 265  
 QY 287 VVEFLIKRKANLALDVGNAALIAVWGSASVSLLEGNTPVSSPT 446  
 DB 266 VVEFLIKRKANLALDVGNAALIAVWGSASVSLLEGNVDSQDL 415

## RESULT 13

US-09-439-413-376

? Sequence 476; Application us-09-439-413-376  
 ? Patent No. 6329505  
 ? GENERAL INFORMATION:

? APPLICANT: Xu, Jiangchun  
 ? APPLICANT: Dillon, David C.  
 ? APPLICANT: Mitcham, Jennifer L.  
 ? APPLICANT: Harlocker, Susan Louise  
 ? APPLICANT: Jiang, Yugu  
 ? APPLICANT: Reed, Steven G.  
 ? APPLICANT: Kalos, Michael  
 ? APPLICANT: Fanger, Gary  
 ? APPLICANT: Reiter, Mark  
 ? APPLICANT: Solk, John  
 ? APPLICANT: Day, Craig  
 ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ? FILE REFERENCE: 219121, 42709  
 ? CURRENT APPLICATION NUMBER: US-09-439-413-376  
 ? CURRENT FILING DATE: 1999-11-12  
 ? NUMBER OF SEQ ID NOS: 575  
 ? SOFTWARE: FASTSTO for Windows Version 3.0  
 ? SEQ ID NO 376  
 ? LENGTH: 329  
 ? TYPE: PRT  
 ? ORGANISM: Homo sapiens  
 ? US-09-439-413-376

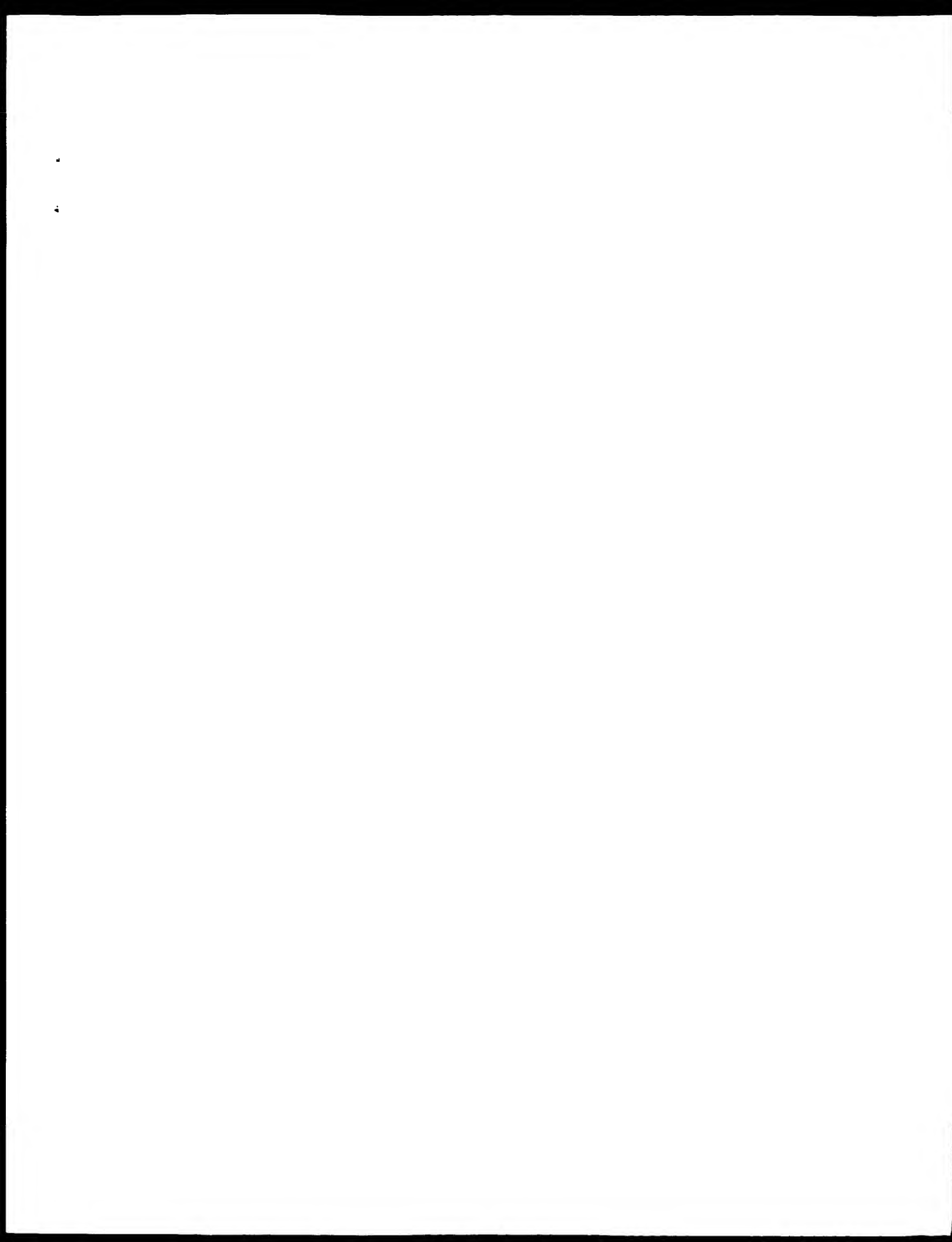
Query Match 55.0% Score 1146; DB 4; Length 429;  
 Host Local Similarity 93.9%; Prod. No. 230109;  
 Matches 216; Conservative 7; Mismatches 7; Indels 1; Gaps 0;

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 DB 86 KGSRSKSVVAMQDYNSAFNEPPIYVQGNLRIKHPAAMWGVPPKDLVMEEDIV 145  
 QY 167 NKPKGKFTALHLASANGSEVKLLTTFNFMFWCH-FPGSPSCSFVZAMZDYDASPEPR 296  
 DB 116 NKPKGKFTALHLASANGSEVKLLTTFNFMFWCH-FPGSPSCSFVZAMZDYDASPEPR 205  
 QY 227 EHTGNTCEYNTLHAYVHEKLMKAAALISQALITFNEKCTHLLTWHAFQV 286  
 DB 226 EHTGNTCEYNTLHAYVHEKLMKAAALISQALITFNEKCTHLLTWHAFQV 265  
 QY 287 VVEFLIKRKANLALDVGNAALIAVWGSASVSLLEGNTPVSSPT 446  
 DB 266 VVEFLIKRKANLALDVGNAALIAVWGSASVSLLEGNVDSQDL 415

## RESULT 14

US-09-352-616A-376





Database Version: V1.4 P1.4578  
Copyright (c) 1993 - 2003 - Computer Ltd.

MM prediction - prediction search, using SW model

Search: April 17, 2003, 07:43:11 - Search Time: 44.5 Seconds  
(with all inhibitors)  
0.0144 Million cell updates/sec

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Database: 100,000,000 - 100

Database: 100,000,000 - 100

Final: Note: The number of results predicted by column to have a  
score greater than or equal to the score of the result being predicted,  
and is shown by analysis of the total score distribution.

#### SUMMARY:

Result	Score	Match	Length	Hit	Description
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2	2024	100.0	884	10	Sequence 004, App
3	2024	100.0	884	10	Sequence 004, App
4	2024	100.0	884	10	Sequence 004, App
5	2024	100.0	884	10	Sequence 004, App
6	2024	100.0	884	10	Sequence 004, App
7	2024	100.0	884	10	Sequence 004, App
8	2024	100.0	884	10	Sequence 004, App
9	2024	100.0	884	10	Sequence 004, App
10	2024	100.0	884	10	Sequence 004, App
11	2024	100.0	884	10	Sequence 004, App
12	2024	100.0	884	10	Sequence 004, App
13	2024	100.0	884	10	Sequence 004, App
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17	2024	100.0	884	10	Sequence 004, App
18	2024	100.0	884	10	Sequence 004, App
19	2024	100.0	884	10	Sequence 004, App
20	2024	100.0	884	10	Sequence 004, App

#### ALIGNMENTS:

Result	Score	Match	Length	Hit	Description
1	2024	100.0	884	9	Sequence 004, App
2	2024	100.0	884	10	Sequence 004, App
3	2024	100.0	884	10	Sequence 004, App
4	2024	100.0	884	10	Sequence 004, App
5	2024	100.0	884	10	Sequence 004, App
6	2024	100.0	884	10	Sequence 004, App
7	2024	100.0	884	10	Sequence 004, App
8	2024	100.0	884	10	Sequence 004, App
9	2024	100.0	884	10	Sequence 004, App
10	2024	100.0	884	10	Sequence 004, App
11	2024	100.0	884	10	Sequence 004, App
12	2024	100.0	884	10	Sequence 004, App
13	2024	100.0	884	10	Sequence 004, App
14	2024	100.0	884	10	Sequence 004, App
15	2024	100.0	884	10	Sequence 004, App
16	2024	100.0	884	10	Sequence 004, App
17	2024	100.0	884	10	Sequence 004, App
18	2024	100.0	884	10	Sequence 004, App
19	2024	100.0	884	10	Sequence 004, App
20	2024	100.0	884	10	Sequence 004, App

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QY 121 GYDDSAFMEPRYHVEGEDI PKI HPAAWGWKPPPTI IVMLEPTVYKKEQKQKFTALHIA 180
DB 121 GYDDSAFMEPRYHVEGEDI PKI HPAAWGWKPPPTI IVMLEPTVYKKEQKQKFTALHIA 180
QY 181 SANGNSEVVKLLIDRKGQNLVLDNKKRTALIKAVGQDEDECALMLEHGTDPNIPDEYGN 240
DB 181 SANGNSEVVKLLIDRKGQNLVLDNKKRTALIKAVGQDEDECALMLEHGTDPNIPDEYGN 240
QY 241 TILHVAIYNECKLMKALLLYGADIESKKNHGLITILLVHEGQVVKFLIKKANINA 300
DB 241 TILHVAIYNECKLMKALLLYGADIESKKNHGLITILLVHEGQVVKFLIKKANINA 300
QY 301 LDRYGRFALILAVGCGSASIVSLLEONIVSSQDLSQDTAREVAVSSHVHVICOLLSDY 360
DB 301 LDRYGRFALILAVGCGSASIVSLLEONIVSSQDLSQDTAREVAVSSHVHVICOLLSDY 360
QY 361 KKKOMLKISSNSNPENVSRTNKK 384
DB 361 KKKOMLKISSNSNPENVSRTNKK 384

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## RESULT 2

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US-09-825-301 8
? Sequence 8, Application US/09/425301
? Patent No. US2002005758A1
? GENERAL INFORMATION:
? APPLICANT: Houghton, Raymond L.
? APPLICANT: Dillon, David G.
? APPLICANT: Molesh, David A.
? APPLICANT: Xu, Jianqun
? APPLICANT: Zehnicher, Barbara
? TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
? FILE REFERENCE: 210121.513
? CURRENT APPLICATION NUMBER: US/09/425 301
? CURRENT FILING DATE: 2001-04-02
? NUMBER OF SEQ ID NOS: 77
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 8
? LENGTH: 484
? TYPE: PRT
? ORGANISM: Homo sapien
US-09-825-301 8

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## Query Match

100.0% Score 2064; DB 10; Length 384;

Best local similarity 100.0%; Evid. No. 7.2e-175; Mismatches 0; Indels 0; Gaps 0;

Matches 384; Conserved 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MVEYDSFPAASSVKKPPGLSENGFQWCPFTQCHLSKSNVTSSEHDSAMKTLPER 60
DB 1 MVEYDSFPAASSVKKPPGLSENGFQWCPFTQCHLSKSNVTSSEHDSAMKTLPER 60
QY 61 MCKMTRIFEPFGSGCKSNVGSASDHDSAMKTLLENKMGWCHTFTGCKSSKSVVW 120
DB 61 MCKMTRIFEPFGSGCKSNVGSASDHDSAMKTLLENKMGWCHTFTGCKSSKSVVW 120
QY 121 GYDDSAFMEPRYHVEGEDI PKI HPAAWGWKPPPTI IVMLEPTVYKKEQKQKFTALHIA 180
DB 121 GYDDSAFMEPRYHVEGEDI PKI HPAAWGWKPPPTI IVMLEPTVYKKEQKQKFTALHIA 180
QY 181 SANGNSEVVKLLIDRKGQNLVLDNKKRTALIKAVGQDEDECALMLEHGTDPNIPDEYGN 240
DB 181 SANGNSEVVKLLIDRKGQNLVLDNKKRTALIKAVGQDEDECALMLEHGTDPNIPDEYGN 240
QY 241 TILHVAIYNECKLMKALLLYGADIESKKNHGLITILLVHEGQVVKFLIKKANINA 300
DB 241 TILHVAIYNECKLMKALLLYGADIESKKNHGLITILLVHEGQVVKFLIKKANINA 300
QY 301 LDRYGRFALILAVGCGSASIVSLLEONIVSSQDLSQDTAREVAVSSHVHVICOLLSDY 360
DB 301 LDRYGRFALILAVGCGSASIVSLLEONIVSSQDLSQDTAREVAVSSHVHVICOLLSDY 360

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QY 361 KKKOMLKISSNSNPENVSRTNKK 384
DB 361 KKKOMLKISSNSNPENVSRTNKK 384

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## RESULT 3

US-09-810-946-104

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? Sequence 304, Application US/09/410936
? Patent No. US2002008285A1
? GENERAL INFORMATION:
? APPLICANT: Frudakis, Tony N.
? APPLICANT: Reed, Steven G.
? APPLICANT: Smith, John M.
? APPLICANT: Misher, Linda E.
? APPLICANT: Dillon, David G.
? APPLICANT: Feltner, Marc W.
? APPLICANT: Wang, Aijun
? APPLICANT: Skeiky, Yasser A.W.
? APPLICANT: Hattacker, Susan L.
? APPLICANT: Day, Craig H.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
? FILE REFERENCE: 210121.419011
? CURRENT APPLICATION NUMBER: US/09/410 936
? CURRENT FILING DATE: 2001-03-16
? NUMBER OF SEQ ID NOS: 34
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 304
? LENGTH: 384
? TYPE: PRT
? ORGANISM: Homo sapien
US-09-810-946-104

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## Query Match

100.0% Score 2064; DB 10; Length 384;

Best local similarity 100.0%; Evid. No. 7.2e-175; Mismatches 0; Indels 0; Gaps 0;

Matches 384; Conserved 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MVEYDSFPAASSVKKPPGLSENGFQWCPFTQCHLSKSNVTSSEHDSAMKTLPER 60
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DB 61 MCKMTRIFEPFGSGCKSNVGSASDHDSAMKTLLENKMGWCHTFTGCKSSKSVVW 120
QY 121 GYDDSAFMEPRYHVEGEDI PKI HPAAWGWKPPPTI IVMLEPTVYKKEQKQKFTALHIA 180
DB 121 GYDDSAFMEPRYHVEGEDI PKI HPAAWGWKPPPTI IVMLEPTVYKKEQKQKFTALHIA 180
QY 181 SANGNSEVVKLLIDRKGQNLVLDNKKRTALIKAVGQDEDECALMLEHGTDPNIPDEYGN 240
DB 181 SANGNSEVVKLLIDRKGQNLVLDNKKRTALIKAVGQDEDECALMLEHGTDPNIPDEYGN 240
QY 241 TILHVAIYNECKLMKALLLYGADIESKKNHGLITILLVHEGQVVKFLIKKANINA 300
DB 241 TILHVAIYNECKLMKALLLYGADIESKKNHGLITILLVHEGQVVKFLIKKANINA 300
QY 301 LDRYGRFALILAVGCGSASIVSLLEONIVSSQDLSQDTAREVAVSSHVHVICOLLSDY 360
DB 301 LDRYGRFALILAVGCGSASIVSLLEONIVSSQDLSQDTAREVAVSSHVHVICOLLSDY 360
QY 361 KKKOMLKISSNSNPENVSRTNKK 384
DB 361 KKKOMLKISSNSNPENVSRTNKK 384

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## RESULT 4

US-09-429-755-304

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? Sequence 304, Application US/09/429755A
? Patent No. US2002011467A1
? GENERAL INFORMATION:
? APPLICANT: Frudakis, Tony N.
? APPLICANT: Smith, John M.

```





[illegible]

RESNOLI 7  
 US-09-905-673-67  
 Sequence: 67, Applicant: US/200605673  
 Publication No. US2006059432A1  
 GENERAL INFORMATION:  
 APPLICANT: DILLON, David G.  
 APPLICANT: FANGER, Gary R.  
 TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
 FILE REFERENCED: 21012149801  
 CURRENT AFFILIATION NUMBER: 59056705-673  
 CURRENT FILING DATE: 2902-07-13  
 NUMBER OF SEQ ID NOS: 67  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO: 67  
 LENGTH: 477  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-905-673-67

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0b	94	NAVVAAMIAASVAKTETETESAMMIAWALTEPOTHEBOSNVAISLHIAHSAARIIPST	62
0Y	61	MEKMOHPOPOCKOAKCKVAVASOCHESAMETIENPMERKOTPEPTEBOSNVAW	120
0b	154	MEKMOHPOPOCKOAKCKVAVASOCHESAMETIENPMERKOTPEPTEBOSNVAW	120
0Y	121	VTPEBAPOTPEBVAWOTETETHEAAWAKVTETETETVILPELEVAKKOKHIALDIA	160
0b	214	GVEDASAMPEPEVABEDELHEAAWAVPEPELEVMPEPEVAKKOKHIAHEA	272
0Y	181	SANNSVAVETIIPEROTNVIPOKKPATIKAVAOOTPOCMIIEHIOUPNIPREVEN	240
0b	224	SANNSVAVETIIPEROTNVIPOKKPATIKAVAOOTPOCMIIEHIOUPNIPREVEN	240
0Y	241	TEHVAIYNEDUKMAVATETVATETESAKHIOELTEHIVPEVAVVVIIEKKAKILAN	320
0b	334	TEHVAIYNEDUKMAVATETVATETESAKHIOELTEHIVPEVAVVVIIEKKAKILAN	320
0Y	301	LEHVPKPAITIAVTOSASIVSIIEPONIIVSSONSOITAPPAVSSHHAVIIOIISIV	360
0b	394	LEHVPKPAITIAVTOSASIVSIIEPONIIVSSONSOITAPPAVSSHHAVIIOIISIV	360
0Y	361	KKKKKKKKSSSENNPENNVPENK	384
0b	454	KKKKKKKKSSSENNPENNVPENK	472

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1      RESULT 8
2      NS 99 924 400 324
3      Sequence: 434, Appl:129139 NS/99924400
4      Project No. 952982016571A1
5      GENERAL INFORMATION:
6      APPLICANT: F. H. H. Lee, J. H.
7      APPLICANT: Reed, Steven G.
8      APPLICANT: Smith, John M.
9      APPLICANT: Misher, Lynda E.
10     APPLICANT: Dillon, David C.
11     APPLICANT: Retter, Mark W.
12     APPLICANT: Wang, Aijun
13     APPLICANT: Skolky, Yastir A. W.
14     APPLICANT: Dierckx, Susan L.
15     APPLICANT: Day, Craig H.
16     APPLICANT: Li, Samuel X.
17     APPLICANT: Peng, Ta
18     TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
19     TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
20     FILE REFERENCE: 213121.41912
21     CURRENT APPLICATION NUMBER: 95-09-924,400
22     CURRENT FILING DATE: 2001-08-07
23     NUMBER OF SEQ ID NOS: 340
24     SOFTWARE: FASTSEQ for Windows Version 4.0
25     SEQ ID NO 324
26     LENGTH: 529
27     TYPE: PRT
28     ORGANISM: Homo sapiens
29     NS-09-924-400-324

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[illegible]







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07 61 MKNQTHPTVTEJSEZSNVTAUJNHESSAMELLEPMJMTJHCLDDEKSNKVGAW 120
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09 121 GYVDSAMERHYHVEGJLJLKHAAWNSVFRKJLJVMJFQIDVKNRDKRTALHIA 180
10 121 GYVDSAMERHYHVEGJLJLKHAAWNSVFRKJLJVMJFQIDVKNRDKRTALHIA 180
11 181 SANTNSPVVKIIDEBCJNVLKNNKPTALIKAVGSGEPCATMLLECTGIMIFDHYGN 240
12 181 SANTNSPVVKIIDEBCJNVLKNNKPTALIKAVGSGEPCATMLLECTGIMIFDHYGN 240
13 241 TLEHVAIYNEKLMAKALLYGADTESKNKHGJTPILAVHEGQOVVKFLKKKANLNA 300
14 241 TLEHVAIYNEKLMAKALLYGADTESKNKHGJTPILAVHEGQOVVKFLKKKANLNA 300
15 301 LDRKGRFALILAVCGGSASIVSILLKONIVSSQJAREYAVSSHHVICOULLSDY 360
16 301 LDRKGRFALILAVCGGSASIVSILLKONIVSSQJAREYAVSSHHVICOULLSDY 360
17 361 KKKOMLJSSNSNPENVSPIRNK 384
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Search completed: April 17, 2003, 08:05:34  
 Job time : 444 secs



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QY 1 MVEVDSMFAASSVKKPGLSKMSKWCOCROFPOCHSASNVGISHDHSAMKILRSK 60
DB 1 MVEVDSMFAASSVKKPGLSKMSKWCOCROFPOCHSASNVGISHDHSAMKILRSK 60
QY 61 MKRWPHFPFGSGSKSNVGSSTHHSAMKILENEMKWKVHCHPPOGOSKSKVGM 120
DB 61 MKRWPHFPFGSGSKSNVGSSTHHSAMKILENEMKWKVHCHPPOGOSKSKVGM 120
QY 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
DB 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
QY 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
DB 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
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DB 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360
QY 361 KEKQMKLISFNSNDPNSPBNK 384
DB 361 KEKQMKLISFNSNDPNSPBNK 384

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## RESULT 2

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US-09-289-198-304
Sequence 404, Application US/09289198
GENERAL INFORMATION:
APPLICANT: Fudakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Reed, Steven G.
APPLICANT: Misher, Lynda
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
FILE REFERENCE: 210121.419C5
CURRENT APPLICATION NUMBER: US/09/289,198
CURRENT FILING DATE: 1999-04-09
EARLIER APPLICATION NUMBER: US 09/062,451
EARLIER FILING DATE: 1998-04-17
EARLIER APPLICATION NUMBER: US 08/941,789
EARLIER FILING DATE: 1997-12-11
EARLIER APPLICATION NUMBER: US 08/838,762
EARLIER FILING DATE: 1997-04-09
EARLIER APPLICATION NUMBER: PCT/95/0770185
EARLIER FILING DATE: 1995-01-15
EARLIER APPLICATION NUMBER: US 08/700,014
EARLIER FILING DATE: 1996-08-20
EARLIER APPLICATION NUMBER: US 08/585,392
EARLIER FILING DATE: 1996-01-01
NUMBER OF SEQ ID NOS: 312
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 304
LENGTH: 384
TYPE: PRT
ORGANISM: Homo sapiens
US-09-289-198-304

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Query Match 100.0%; Score 2064; DB 16; Length 384;  
 Best local similarity 100.0%; Pctd. No. 6, 2e-179;  
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MVEVDSMFAASSVKKPGLSKMSKWCOCROFPOCHSASNVGISHDHSAMKILRSK 60
DB 1 MVEVDSMFAASSVKKPGLSKMSKWCOCROFPOCHSASNVGISHDHSAMKILRSK 60
QY 61 MKRWPHFPFGSGSKSNVGSSTHHSAMKILENEMKWKVHCHPPOGOSKSKVGM 120
DB 61 MKRWPHFPFGSGSKSNVGSSTHHSAMKILENEMKWKVHCHPPOGOSKSKVGM 120
QY 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
DB 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
QY 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
DB 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
QY 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360
DB 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360

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QY 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
DB 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
QY 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
DB 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
QY 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360
DB 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360
QY 361 KEKQMKLISFNSNDPNSPBNK 384
DB 361 KEKQMKLISFNSNDPNSPBNK 384

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## RESULT 3

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US-09-429-755-304
Sequence 404, Application US/09429755A
GENERAL INFORMATION:
APPLICANT: Fudakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Reed, Steven G.
APPLICANT: Misher, Lynda
APPLICANT: Keller, Marie W.
APPLICANT: Dillon, Gavin G.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
FILE REFERENCE: 210121.419C6
CURRENT APPLICATION NUMBER: US/09/429,755A
CURRENT FILING DATE: 1999-10-28
NUMBER OF SEQ ID NOS: 315
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 304
LENGTH: 384
TYPE: PRT
ORGANISM: Homo sapiens
US-09-429-755-304

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Query Match 100.0%; Score 2064; DB 18; Length 384;  
 Best local similarity 100.0%; Pctd. No. 6, 2e-179;  
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MVEVDSMFAASSVKKPGLSKMSKWCOCROFPOCHSASNVGISHDHSAMKILRSK 60
DB 1 MVEVDSMFAASSVKKPGLSKMSKWCOCROFPOCHSASNVGISHDHSAMKILRSK 60
QY 61 MKRWPHFPFGSGSKSNVGSSTHHSAMKILENEMKWKVHCHPPOGOSKSKVGM 120
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QY 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
DB 121 GVEGSAEMEPYHVBSEELFLHFAAMWVVEKELVMEPLGVNKKELKKAALHIA 180
QY 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPRGQNLNINLNNKKTALIKAVGQDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
DB 241 TLHVAIYNEKLMKAKALLYGADIESKNHGLTPELLGVHOKQVVKILKKRANNA 300
QY 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360
DB 301 LIRYGTALLAVGGSASIVSLLEONIVSSQDLSGQTAPEYAVSSHVVITGLLSY 360

```









LENGTH: 384  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-07-1378-304

Query Match: 100.0% Score: 2064.0 FR 241 Length: 384  
Best Local Similarity: 100.0% Pred. No. Gaps: 179  
Matches: 384: Conservative 0: Mismatches 0: Indels 0: Gaps 0

```

UY 1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
    1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
DB 1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
UY 61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
    61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
DB 61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
UY 121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
    121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
DB 121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
UY 181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
    181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
DB 181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
UY 241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
    241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
DB 241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
UY 301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
    301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
DB 301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
UY 361 KKNQMLNSENSENLNPHLNA 384
    361 KKNQMLNSENSENLNPHLNA 384
DB 361 KKNQMLNSENSENLNPHLNA 384

```

## RESULT 12

US-10-212-679-304

Sequence 304, Application US/10212679

GENERAL INFORMATION:

APPLICANT: Fanger, Gary

APPLICANT: Hirst, Shannon Kathleen

APPLICANT: Dillon, David

APPLICANT: Foy, Teresa

APPLICANT: Houghton, Ray

APPLICANT: Porsing, David

APPLICANT: Kalos, Michael

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121-419014

CURRENT APPLICATION NUMBER: US/10212679

CURRENT FILING DATE: 2002-08-02

NUMBER OF SEQ ID NOS: 428

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 304

LENGTH: 384

TYPE: PRT

ORGANISM: Homo sapiens

US-10-212-679-304

Query Match: 100.0% Score: 2064.0 FR 261 Length: 384  
Best Local Similarity: 100.0% Pred. No. Gaps: 179  
Matches: 384: Conservative 0: Mismatches 0: Indels 0: Gaps 0

```

UY 1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
    1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
DB 1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
UY 61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
    61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
DB 61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120

```

```

UY 121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
    121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
DB 121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
UY 181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
    181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
DB 181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
UY 241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
    241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
DB 241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
UY 301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
    301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
DB 301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
UY 361 KKNQMLNSENSENLNPHLNA 384
    361 KKNQMLNSENSENLNPHLNA 384
DB 361 KKNQMLNSENSENLNPHLNA 384

```

## RESULT 13

US-09-295-304-1386

Sequence 306, Application US/090224917

GENERAL INFORMATION:

APPLICANT: Corixa Corporation

APPLICANT: Fanger, Gary R.

APPLICANT: Hirst, Shannon Kathleen

APPLICANT: Dillon, David G.

APPLICANT: Foy, Teresa M.

APPLICANT: Houghton, Raymond L.

APPLICANT: Porsing, David H.

APPLICANT: Kalos, Michael D.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121-419014

CURRENT APPLICATION NUMBER: US/090224917

CURRENT FILING DATE: 2002-08-05

NUMBER OF SEQ ID NOS: 428

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 306

LENGTH: 394

TYPE: PRT

ORGANISM: Homo sapiens

US-09-295-304-1386

Query Match: 100.0% Score: 2064.0 FR 1 Length: 394  
Best Local Similarity: 100.0% Pred. No. Gaps: 179  
Matches: 384: Conservative 0: Mismatches 0: Indels 0: Gaps 0

```

UY 1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
    1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
DB 1 MVEVDMSMAASSVKKPPTKPSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 60
UY 61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
    61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
DB 61 MKNWCHPCHPCKGSDGKSNVTSIDHDSAMKTLRSKMKWQCPKPPGSGKSNVTSIDHDSAMKTLRSK 120
UY 121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
    121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
DB 121 GYDSDAEMEPHYHVGSEFETLTPHAAWGVVPPETLVMEFQTVNPKKQKFTALHLA 180
UY 181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
    181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
DB 181 SANGNSEVVKLLDORCOINVLNPKKPTALIKAVQCEDEALMLEHGTIPNIDEEYN 240
UY 241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
    241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
DB 241 TITLVAIVELNIMAKALLYVALLESNNKQDLELLVHRLNQQVVKELKKKANLNA 300
UY 301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
    301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
DB 301 LDRYGTALILAVGGSNIVSLLEQHTDVSQGLSQGTAFKAVSSHHVTVGLSDY 360
UY 361 KKNQMLNSENSENLNPHLNA 384
    361 KKNQMLNSENSENLNPHLNA 384
DB 361 KKNQMLNSENSENLNPHLNA 384

```



2

3



```

DB 377 TDEPFTALILAVCGGASIVSI LIFENFVSSQFI SQIAPPAVSSHHVITGQLISY 434
UY 361 KKKOMKISSNSNPENSKPTNK 384
DB 447 KKKOMKISSNSNPENSKPTNK 460

```

## RESULT 2

```

PCT-US02-22325A-67
? Sequence 67, Application FC/708022325A
? GENERAL INFORMATION:
? APPLICANT: Corixa Corporation
? APPLICANT: Faugert, Gary R.
? APPLICANT: Durham, Margaret
? APPLICANT: Houghton, Raymond L.
? APPLICANT: Dillon, David
? APPLICANT: Carter, Darlick
? APPLICANT: Persing, David H.
? TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
? TITLE OF INVENTION: DIAGNOSIS AND THERAPY
? FILE REFERENCE: 210121.490100
? CURRENT APPLICATION NUMBER: FC/08022325A
? CURRENT FILING DATE: 2002-07-11
? NUMBER OF SEQ ID NOS: 78
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO: 67
? LENGTH: 477
? TYPE: PRT
? ORGANISM: Homo sapiens
PCT-US02-22325A-67

```

```

Query Match 100.0% Score 254.19 Length 477
Best Local Similarity 100.0% Pred. No. 156-166
Matches 384: Conservative 0 Mismatches 0 Indels 0 Gaps 0

UY 1 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 60
DB 94 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 154
UY 61 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 154
DB 154 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 154
UY 123 LVEVATMTTTHVHTTITPTTSEAAWQVTSSTTVMLECLDVKKQKQKTLALALA 180
DB 214 LVEVATMTTTHVHTTITPTTSEAAWQVTSSTTVMLECLDVKKQKQKTLALALA 275
UY 181 SANNSPVVKITLPPFQVNTITNKKRTALIKAVQVHTTFAIMLEHGTITNIEEYSN 240
DB 274 SANNSPVVKITLPPFQVNTITNKKRTALIKAVQVHTTFAIMLEHGTITNIEEYSN 333
UY 241 TTHVATNFERLMKALILGAGLSEKNEHSHPLLVGEHKKVVKITKKKANINA 400
DB 334 TTHVATNFERLMKALILGAGLSEKNEHSHPLLVGEHKKVVKITKKKANINA 400
UY 301 LHVYCHDALAVCGGASIVSI LIFENFVSSQFI SQIAPPAVSSHHVITGQLISY 360
DB 394 LHVYCHDALAVCGGASIVSI LIFENFVSSQFI SQIAPPAVSSHHVITGQLISY 453
UY 361 KKKOMKISSNSNPENSKPTNK 384
DB 454 KKKOMKISSNSNPENSKPTNK 477

```

## RESULT 3

```

US-09-594-794A-478
? Sequence 478, Application US/09593793A
? GENERAL INFORMATION:
? APPLICANT: Xu, Jiangchun
? APPLICANT: Dillon, David G.
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: Harlocker, Susan L.

```

```

APPLICANT: Jiang, Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael D.
APPLICANT: Faugert, Gary R.
APPLICANT: Ketter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Darlick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yash A.W.
APPLICANT: Helper, William
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
? FILE REFERENCE: 210121.42715015
? CURRENT APPLICATION NUMBER: US/09-594-794A
? CURRENT FILING DATE: 2000-06-13
? NUMBER OF SEQ ID NOS: 814
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO: 378
? LENGTH: 1719
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-594-794A-478

```

```

Query Match 100.0% Score 2064.18 Length 1719
Best Local Similarity 100.0% Pred. No. 760-166
Matches 384: Conservative 0 Mismatches 0 Indels 0 Gaps 0

UY 1 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 60
DB 94 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 154
UY 61 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 154
DB 154 MVEVDSPPAASVKKPRPTESKMKKWTPTPTPTPSKSNVNTSHHGSAMKTIKSK 154
UY 123 LVEVATMTTTHVHTTITPTTSEAAWQVTSSTTVMLECLDVKKQKQKTLALALA 180
DB 214 LVEVATMTTTHVHTTITPTTSEAAWQVTSSTTVMLECLDVKKQKQKTLALALA 275
UY 181 SANNSPVVKITLPPFQVNTITNKKRTALIKAVQVHTTFAIMLEHGTITNIEEYSN 240
DB 274 SANNSPVVKITLPPFQVNTITNKKRTALIKAVQVHTTFAIMLEHGTITNIEEYSN 333
UY 241 TTHVATNFERLMKALILGAGLSEKNEHSHPLLVGEHKKVVKITKKKANINA 400
DB 334 TTHVATNFERLMKALILGAGLSEKNEHSHPLLVGEHKKVVKITKKKANINA 400
UY 301 LHVYCHDALAVCGGASIVSI LIFENFVSSQFI SQIAPPAVSSHHVITGQLISY 360
DB 394 LHVYCHDALAVCGGASIVSI LIFENFVSSQFI SQIAPPAVSSHHVITGQLISY 453
UY 361 KKKOMKISSNSNPENSKPTNK 384
DB 454 KKKOMKISSNSNPENSKPTNK 477

```

## RESULT 4

```

US-10-294-025-478
? Sequence 478, Application US/10294025
? GENERAL INFORMATION:
? APPLICANT: Xu, Jiangchun
? APPLICANT: Stolk, John A.
? APPLICANT: Kalos, Michael D.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
? FILE REFERENCE: 210121.427029
? CURRENT APPLICATION NUMBER: US/10-294-025
? CURRENT FILING DATE: 2002-11-12
? NUMBER OF SEQ ID NOS: 1038
? SOFTWARE: FastSeq for Windows Version 3.0

```





```

|||||
Db 61 MAKWPHCFOTGSSKSNVWASQHTFSAMKLEFNKMKWTTFFPDSOSNCEKVAW 120
QY 121 GYVDSAPMEPRYHVGFETFLHPAAWQVYTFPTQVMTFTVYVTFQGTALHIA 180
Db 121 GYVDSAPMEPRYHVGFETFLHPAAWQVYTFPTQVMTFTVYVTFQGTALHIA 180
QY 181 SANGSEVVKLLDEPQZNLINFEPTATTAAGVQGEPTAMIMLPHGPNINDEYN 240
Db 181 SANGSEVVKLLDEPQZNLINFEPTATTAAGVQGEPTAMIMLPHGPNINDEYN 240
QY 241 TTHVATYNEDKIMAKALLIYADIESKNKHSITPLLSEHQQVVKFLIKKANINA 300
Db 241 TTHVATYNEDKIMAKALLIYADIESKNKHSITPLLSEHQQVVKFLIKKANINA 300
QY 301 LPPVGTATLIAVCGSSATVSLIFQNTIVSSQTLSCOTAFVAVSSHHTVQLLSY 360
Db 301 LPPVGTATLIAVCGSSATVSLIFQNTIVSSQTLSCOTAFVAVSSHHTVQLLSY 360
QY 361 KEKQMKISSENSNPE 376
Db 361 KEKQMKISSENSNPE 376

```

```

RESULT 7
US-10-294 025-379
: Sequence 379, Application US/10294025
: GENERAL INFORMATION:
: APPLICANT: Xu, Jidongjun
: APPLICANT: Stolk, Joan A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427026
: CURRENT APPLICATION NUMBER: US/10/294.025
: CURRENT FILING DATE: 2002-11-02
: NUMBER OF SEQ ID NOS: 1039
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 379
: LENGTH: 656
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-294 025-379

```

```

Query Match 98.1%, Score 2024, DB 61, Length 656;
Best Local Similarity 100.0%, Pctd. No. 5, Gap 163;
Matches 376; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MVEVDSMPAASSVKKFFGLSKMKWTTFFPQZTESKSNVSTSDHDSAMKTLISK 60
Db 1 MVEVDSMPAASSVKKFFGLSKMKWTTFFPQZTESKSNVSTSDHDSAMKTLISK 60
QY 61 MCKWPHCFOTGSSKSNVWASQHTFSAMKLEFNKMKWTTFFPDSOSNCEKVAW 120
Db 61 MCKWPHCFOTGSSKSNVWASQHTFSAMKLEFNKMKWTTFFPDSOSNCEKVAW 120
QY 121 GYVDSAPMEPRYHVGFETFLHPAAWQVYTFPTQVMTFTVYVTFQGTALHIA 180
Db 121 GYVDSAPMEPRYHVGFETFLHPAAWQVYTFPTQVMTFTVYVTFQGTALHIA 180
QY 181 SANGSEVVKLLDEPQZNLINFEPTATTAAGVQGEPTAMIMLPHGPNINDEYN 240
Db 181 SANGSEVVKLLDEPQZNLINFEPTATTAAGVQGEPTAMIMLPHGPNINDEYN 240
QY 241 TTHVATYNEDKIMAKALLIYADIESKNKHSITPLLSEHQQVVKFLIKKANINA 300
Db 241 TTHVATYNEDKIMAKALLIYADIESKNKHSITPLLSEHQQVVKFLIKKANINA 300
QY 301 LPPVGTATLIAVCGSSATVSLIFQNTIVSSQTLSCOTAFVAVSSHHTVQLLSY 360
Db 301 LPPVGTATLIAVCGSSATVSLIFQNTIVSSQTLSCOTAFVAVSSHHTVQLLSY 360
QY 361 KEKQMKISSENSNPE 376

```

```

|||||
Db 361 KEKQMKISSENSNPE 376

```

```

RESULT 8
US-10-129-909-379
: Sequence 379, Application US/10129909
: GENERAL INFORMATION:
: APPLICANT: Corixa Corporation
: APPLICANT: Xu, Jidongjun
: APPLICANT: Dillon, David C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiano Yagui
: APPLICANT: Reed, Steven G.
: APPLICANT: Kales, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Peltier, Mark
: APPLICANT: Stolk, Joan
: APPLICANT: Lay, Craig
: APPLICANT: Skolky, Yasir A.W.
: APPLICANT: Wang, Aijun
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427026
: CURRENT APPLICATION NUMBER: US/10/129.909
: CURRENT FILING DATE: 2002-11-09
: NUMBER OF SEQ ID NOS: 551
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 379
: LENGTH: 656
: TYPE: PRT
: ORGANISM: Homo sapien
US-10-129-909-379

```

```

Query Match 98.1%, Score 2021, DB 61, Length 656;
Best Local Similarity 100.0%, Pctd. No. 5, Gap 163;
Matches 376; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MVEVDSMPAASSVKKFFGLSKMKWTTFFPQZTESKSNVSTSDHDSAMKTLISK 60
Db 1 MVEVDSMPAASSVKKFFGLSKMKWTTFFPQZTESKSNVSTSDHDSAMKTLISK 60
QY 61 MCKWPHCFOTGSSKSNVWASQHTFSAMKLEFNKMKWTTFFPDSOSNCEKVAW 120
Db 61 MCKWPHCFOTGSSKSNVWASQHTFSAMKLEFNKMKWTTFFPDSOSNCEKVAW 120
QY 121 GYVDSAPMEPRYHVGFETFLHPAAWQVYTFPTQVMTFTVYVTFQGTALHIA 180
Db 121 GYVDSAPMEPRYHVGFETFLHPAAWQVYTFPTQVMTFTVYVTFQGTALHIA 180
QY 181 SANGSEVVKLLDEPQZNLINFEPTATTAAGVQGEPTAMIMLPHGPNINDEYN 240
Db 181 SANGSEVVKLLDEPQZNLINFEPTATTAAGVQGEPTAMIMLPHGPNINDEYN 240
QY 241 TTHVATYNEDKIMAKALLIYADIESKNKHSITPLLSEHQQVVKFLIKKANINA 300
Db 241 TTHVATYNEDKIMAKALLIYADIESKNKHSITPLLSEHQQVVKFLIKKANINA 300
QY 301 LPPVGTATLIAVCGSSATVSLIFQNTIVSSQTLSCOTAFVAVSSHHTVQLLSY 360
Db 301 LPPVGTATLIAVCGSSATVSLIFQNTIVSSQTLSCOTAFVAVSSHHTVQLLSY 360
QY 361 KEKQMKISSENSNPE 376
Db 361 KEKQMKISSENSNPE 376

```

```

RESULT 9
US-09-593-793A-380
: Sequence 380, Application US/09593793A
: GENERAL INFORMATION:
: APPLICANT: Xu, Jidongjun

```



Query Match: 72, Score: 1414, DB: 5, Length: 292,  
 Best Local Similarity: 92.8%, Pred. No: 5,76-103,  
 Matches: 245, Conservative: 10, Mismatches: 9, Indels: 0, Gaps: 0

US-09-593-793A-532  
 Sequence 532, Application US/09593793A  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Dillon, David G.  
 APPLICANT: Mitchell, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yagui  
 APPLICANT: Reed, Steven G.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Fanger, Gary R.  
 APPLICANT: Ketter, Mark W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Clark H.  
 APPLICANT: Wedrick, Thomas S.  
 APPLICANT: Galtier, David J.  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Aijia  
 APPLICANT: Skelley, Yasir A.M.  
 APPLICANT: Helper, William  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.42715615  
 CURRENT APPLICATION NUMBER: US 09/593 793A  
 NUMBER OF SEQ ID NOS: 814  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO 532  
 LENGTH: 292  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-593-793A-532

Query Match: 72, Score: 1414, DB: 5, Length: 292,  
 Best Local Similarity: 92.8%, Pred. No: 2,66-103,  
 Matches: 245, Conservative: 10, Mismatches: 9, Indels: 0, Gaps: 0

US-09-593-793A-532  
 Sequence 532, Application US/09593793A  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Dillon, David G.  
 APPLICANT: Mitchell, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yagui  
 APPLICANT: Reed, Steven G.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Fanger, Gary R.  
 APPLICANT: Ketter, Mark W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Clark H.  
 APPLICANT: Wedrick, Thomas S.  
 APPLICANT: Galtier, David J.  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Aijia  
 APPLICANT: Skelley, Yasir A.M.  
 APPLICANT: Helper, William  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.42715615  
 CURRENT APPLICATION NUMBER: US 09/593 793A  
 NUMBER OF SEQ ID NOS: 814  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO 532  
 LENGTH: 292  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-593-793A-532

US-10-129-909-542  
 Sequence 542, Application US/10129909  
 GENERAL INFORMATION:  
 APPLICANT: Corixa Corporation  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Dillon, David G.  
 APPLICANT: Mitchell, Jennifer L.  
 APPLICANT: Harlocker, Susan Louise

US-10-129-909-542  
 Sequence 542, Application US/10129909  
 GENERAL INFORMATION:  
 APPLICANT: Corixa Corporation  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Dillon, David G.  
 APPLICANT: Mitchell, Jennifer L.  
 APPLICANT: Harlocker, Susan Louise

US-10-294-025-532  
 Sequence 532, Application US/10294025  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Stolk, John A.  
 APPLICANT: Kalos, Michael D.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.427029  
 CURRENT APPLICATION NUMBER: US/10/294,025  
 NUMBER OF SEQ ID NOS: 1048  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO 532  
 LENGTH: 292  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-294-025-532

Query Match: 73, Score: 1414, DB: 6, Length: 292,  
 Best Local Similarity: 92.8%, Pred. No: 2,66-103,  
 Matches: 245, Conservative: 10, Mismatches: 9, Indels: 0, Gaps: 0

US-10-294-025-532  
 Sequence 532, Application US/10294025  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Stolk, John A.  
 APPLICANT: Kalos, Michael D.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 210121.427029  
 CURRENT APPLICATION NUMBER: US/10/294,025  
 NUMBER OF SEQ ID NOS: 1048  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO 532  
 LENGTH: 292  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-294-025-532

US-10-129-909-542  
 Sequence 542, Application US/10129909  
 GENERAL INFORMATION:  
 APPLICANT: Corixa Corporation  
 APPLICANT: Xu, Jianqun  
 APPLICANT: Dillon, David G.  
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